# ELECTRICAL PRODUCTS & INSTRUMENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC</td>
<td>1466 - 1476</td>
</tr>
<tr>
<td>Lamps</td>
<td>1477 - 1482</td>
</tr>
<tr>
<td>Electrical Devices, Tapes &amp; Accessories</td>
<td>1483 - 1485</td>
</tr>
<tr>
<td>Emergency Lights</td>
<td>1486 - 1487</td>
</tr>
<tr>
<td>Flashlights &amp; Batteries</td>
<td>1488 - 1500</td>
</tr>
<tr>
<td>Task Lights &amp; Magnifier</td>
<td>1501 - 1502</td>
</tr>
<tr>
<td>Work Lights &amp; Cord Reels</td>
<td>1503 - 1510</td>
</tr>
<tr>
<td>Extension Cords, Outlets &amp; Batteries</td>
<td>1511 - 1520</td>
</tr>
<tr>
<td>Multimeters &amp; Voltage Tester</td>
<td>1521 - 1524</td>
</tr>
<tr>
<td>Equipment Cases</td>
<td>1525</td>
</tr>
<tr>
<td>Amperage, Capacitance, Phase &amp; Earth Ground Testers</td>
<td>1526 - 1528</td>
</tr>
<tr>
<td>Infrared Thermometers</td>
<td>1529 - 1530</td>
</tr>
<tr>
<td>Thermometers</td>
<td>1531 - 1533</td>
</tr>
<tr>
<td>Temperature/Humidity Meters, Loggers &amp; Recorders</td>
<td>1534 - 1536</td>
</tr>
<tr>
<td>Moisture Meters</td>
<td>1537</td>
</tr>
<tr>
<td>Thickness, Coating &amp; Hardness Meters</td>
<td>1538 - 1539</td>
</tr>
<tr>
<td>Sound &amp; Light Meters</td>
<td>1540 - 1541</td>
</tr>
<tr>
<td>Speed, Distance &amp; Length Measurers</td>
<td>1542 - 1543</td>
</tr>
<tr>
<td>Vibration &amp; Force Gauges</td>
<td>1544</td>
</tr>
<tr>
<td>Inspection Cameras</td>
<td>1545</td>
</tr>
<tr>
<td>Air Velocity Meters</td>
<td>1546 - 1547</td>
</tr>
<tr>
<td>Manometers &amp; Pressure Gauges</td>
<td>1548 - 1551</td>
</tr>
<tr>
<td>Flowmeters, Switches, Refractometers &amp; pH Meters</td>
<td>1552 - 1554</td>
</tr>
<tr>
<td>Scales</td>
<td>1555 - 1561</td>
</tr>
</tbody>
</table>
HVAC

LIGHT INDUSTRIAL-DUTY AIR CIRCULATING FANS
• All-metal construction
• 6’’J/T power cord
• Stem length for pedestal: 89-124 cm

INDUSTRIAL-DUTY AIR CIRCULATING FANS
• All-metal construction
• 9.8’’J/T power cord
• Stem length for pedestal: 89-124 cm

### OSCILLATING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>HP</th>
<th>Voltage</th>
<th>CFM</th>
<th>RPM</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA665</td>
<td>26” Pedestal</td>
<td>1/4</td>
<td>120</td>
<td>7525</td>
<td>4050</td>
<td>2</td>
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<tr>
<td>EA664</td>
<td>30” Pedestal</td>
<td>1/3</td>
<td>120</td>
<td>8775</td>
<td>6760</td>
<td>2</td>
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<tr>
<td>EA663</td>
<td>24” Wall Mount</td>
<td>1/4</td>
<td>120</td>
<td>7525</td>
<td>4050</td>
<td>2</td>
</tr>
<tr>
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<td>1/3</td>
<td>120</td>
<td>8775</td>
<td>6760</td>
<td>2</td>
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</tbody>
</table>

### NON-OSCILLATING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>HP</th>
<th>Voltage</th>
<th>CFM</th>
<th>RPM</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA665</td>
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<td>7700</td>
<td>6060</td>
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<tr>
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<td>120</td>
<td>7700</td>
<td>6060</td>
<td>2</td>
</tr>
<tr>
<td>EA662</td>
<td>30” Pedestal</td>
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<td>7000</td>
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<td>1/3</td>
<td>120</td>
<td>8000</td>
<td>7000</td>
<td>2</td>
</tr>
</tbody>
</table>

*Features adjustable height and a heavy-duty round base for added stability

HEAVY-DUTY INDUSTRIAL AIR CIRCULATING FANS
• 115 V, 1/3 HP, 1 phase, 3 speed, totally enclosed air over ball bearing motor
• Patented modular motor and dome for easy maintenance
• Oscillating and non-oscillating
• Energy efficient - lowest watts per CFM
• Ultraquiet die cast aluminum airfoil propeller
• Wall and l-beam mounts able to be installed by one individual
• Includes: Cord and plug
• Meets OSHA standards

### OSCILLATING

<table>
<thead>
<tr>
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<th>Voltage</th>
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<th>Price/Each</th>
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<tbody>
<tr>
<td>EA355</td>
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<td>5387</td>
<td>4156</td>
<td>3125</td>
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<tr>
<td>EA354</td>
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<td>2.6</td>
<td>7996</td>
<td>5859</td>
<td>4063</td>
<td>1045 789 561 95 1803.00</td>
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<tr>
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<td>5387</td>
<td>4156</td>
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<td>1070 628 89 1712.00</td>
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<tr>
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<td>30” Pedestal</td>
<td>2.8</td>
<td>8402</td>
<td>6259</td>
<td>4663</td>
<td>1098 880 660 87 1920.00</td>
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<tr>
<td>EA351</td>
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<tr>
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<td>2.5</td>
<td>5588</td>
<td>4556</td>
<td>3325</td>
<td>1110 900 700 85 1107.00</td>
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<tr>
<th>Model No.</th>
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<td>1098 880 660 87 1920.00</td>
</tr>
</tbody>
</table>

### PEDESTAL
• All-metal construction, chrome grill and base painted black
• Can be used in oscillating or non-oscillating mode
• Adjustable height and heavy-duty round base for added stability
• 9.8”J/T power cord
• Base Dia. Cm: 69.3

### WALL MOUNTED
• All-metal construction
• Fully enclosed motor

### 24” ROLL-ABOUT AIR FANS
• 120V, 1/3 HP, 3 speed motor
• 9.8”J/T power cord
• Cart mounted fan for increased air circulation and optimal mobility
• Can be tilted/positioned to maximise ventilation
• Cart and frame configuration provide stable quiet operation
• CFM: 10760 (high), 7770 (medium), 7040 (low)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>No. of</th>
<th>CFM</th>
<th>Price/Each</th>
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<tr>
<td>EA476</td>
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<td>11200</td>
<td>670.00</td>
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<tr>
<td>EA477</td>
<td>30” Wall Mount</td>
<td>1/3</td>
<td>11400</td>
<td>555.00</td>
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### 5-YEAR WARRANTY

### Airmaster® Fan Company

<table>
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<tr>
<th>Model No.</th>
<th>Description</th>
<th>F.L. Amps</th>
<th>High CFM</th>
<th>Med CFM</th>
<th>Low CFM</th>
<th>High RPM</th>
<th>Med RPM</th>
<th>Low RPM</th>
<th>Weight Lbs.</th>
<th>Price/Each</th>
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<td>5588</td>
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<td>3325</td>
<td>1110</td>
<td>900</td>
<td>700</td>
<td>85</td>
<td>1107.00</td>
</tr>
<tr>
<td>EA351</td>
<td>30” Pedestal</td>
<td>2.8</td>
<td>8402</td>
<td>6259</td>
<td>4663</td>
<td>1098</td>
<td>880</td>
<td>660</td>
<td>87</td>
<td>1920.00</td>
</tr>
<tr>
<td>EA350</td>
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<td>2.5</td>
<td>5588</td>
<td>4556</td>
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<td>1098</td>
<td>880</td>
<td>660</td>
<td>87</td>
<td>1920.00</td>
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</table>

Note: Performance Ratings are conducted in accordance with AMCA Standard 230-99

Model No. EA476 Price/Each $412.00

1466

1466-1520_Eng.indd 1466
2018-07-12 11:54 AM
6" CLIP-ON & DESK FANS
- 2-speed, low and high settings
- Tilting head
- Fully assembled and ready for use
- Convertible clip and desk feature
- Weight: 2.21 lbs.
Model No. EA304
Price/Each $27.25

16" WALL MOUNT OSCILLATING FANS
- Remote with timer mode included
- 3 speed with Eco mode feature
- Adjustable height
- Easy to assemble
- Weight: 8.82 lbs.
Model No. EA526
Price/Each $598.50

OSSCILLATING PEDESTAL FANS
- 3-speed push button front control
- Adjustable pedestal base
- Rotating or fixed air direction
- Easy to assemble

20" HIGH VELOCITY PEDESTAL FANS
- 120 V/60 Hz, 1/5 HP, 3-speed motor
- All metal construction, chrome grill and base
- Adjustable pedestal base
- 6’ SJT power cord
- Overall height: 63.865 cm
- Base: 48.5 cm
- Stem: 63.865 cm
- Weight: 36 lbs.
Model No. EA290
Price/Each $241.00

OSCILLATING DESK FANS WITH PUSH BUTTONS
- 3-speed push buttons controls
- Rotating or fixed air direction
- Portable and easy to assemble
- Topple-resistant base

HIGH VELOCITY FLOOR FANS
- 120 V/60 Hz, 1/4 HP, 3-speed motor
- All metal construction, chrome grill and base

16" BOX FANS
- 3-speed control
- Five slim blades
- Fully assembled and ready to use
- This fan is designed to efficiently circulate airflow to reach desired comfort levels with a three speed-settings feature.
- Top-mounted controls
- Material: Plastic
- Weight: 9.92 lbs.
Model No. EA527
Price/Each $59.95

20" BOX FANS
- 120 V/60 Hz, 1/5 HP, 3-speed motor
- All metal construction, chrome grill and base
- Adjustable pedestal base
- 6' SJT power cord
- CFM: High 2370, Med: 1950, Low: 1560
- Overall height: 134-157.5 cm
- Base Diameter: 48.5 cm
- Stem length: 63-86.5 cm
- Weight: 36 lbs.
- Watts: 220 W
- Diameter: 30"
- No. of Speeds: 3
Model No. EA779
Price/Each $514.00

OSCILLATING PEDESTAL FANS
- Pedestal models feature adjustable height and heavy-duty round base for added stability
- 9.5 power cord with UL GFCI plug
- Enclosed/Waterproof motor type
- Adjustable pedestal base
- 6’ SJT power cord
- CFM: High 5950, Med: 4550, Low: 3850
- Overall height: 134-157.5 cm
- Base Diameter: 48.5 cm
- Stem length: 63-86.5 cm
- Weight: 36 lbs.
Model No. EA290
Price/Each $165.00
HVAC

STAINLESS STEEL FOOD SERVICE WASHDOWN AIR CIRCULATING FANS

• Designed to withstand moist/wet environments, high pressure cleaning with concentrated caustic solutions without affecting performance or function
• Constructed with electro-polished 304 stainless steel
• All stainless steel motor
• Non-oscillating, 1 phase, totally enclosed non-vented ball bearing
• BRSCC approved motor
• Motor washdown specification is IEC-IP55
• Available in non-adjustable pedestal or wall mount
• Safety cable kit is included in all overhead mounted air circulators
• Meets the USDA and the NSF for food zones
• 10-year warranty

Notes: Performance ratings are conducted in accordance with AMCA Standard 230-99. When assembling fans, use only the stainless steel fasteners supplied with the motors. Fans and motors should be cleaned and inspected regularly. Cord and plug not provided. Must be hard wired. Wiring must conform to all national, provincial and local codes.

CEILING FANS

• A major source of untapped energy is available at the ceiling in most industrial and commercial buildings
• Air stratification causes heat build-up at the ceiling as much as 25°F (or more) above floor level temperatures
• By installing ceiling fans, this warm air can be recirculated down to floor level to maintain a uniform air temperature from floor to ceiling
• The result saving can be as much as 30%
• Electro-static white paint

MARK I
• 1-year commercial warranty

MARK VI
• 2-year commercial warranty

Airmaster Fan Company

MARK VII
• 1-year commercial warranty

JETPROOF
• Moisture and dust resistant
• Preassembled with watertight power cord and safety cable
• 2-year commercial warranty

• When ceiling fans are used for cooling people during the summer, they should be spaced 15' to 20' apart in the occupied area
• In warehouse storage areas, best results will be obtained if fans are mounted over aisle ways
• Fans should not be mounted less than 10' above the floor, the use of a safety cable is required on all ceiling fans

THERMOSTAT PROTECTORS

• Molded of 1/8" thick, heavy-duty polycarbonate
• Offers excellent protection against tampering, abuse and accidental damage without affecting operation of thermostat or sensor
• Holes in the frame allow air to circulate freely
• Inner wall prevents tampering with dials and levers
• All thermostat covers have a key lock assembly
• Easy and quick installation
• Available for flush and surface mount applications (with use of spacer)
• Spacer adds 2” in depth and can mount around existing conduit
• Thick polycarbonate cover is backed by a lifetime guarantee against damage in normal use
• Polycarbonate rated -40°F (-40°C) to 120°F (49°C)

Airmaster Fan Company

ACCESSORIES

CHEMICAL RESISTANCE RATING CHART

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Concentration</th>
<th>Stainless Steel Part</th>
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<tbody>
<tr>
<td>WATER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>De-ionized boiling</td>
<td>100%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Salt (immersed)</td>
<td>30%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Salt (spray)</td>
<td>5%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Top - 250°F/120°C</td>
<td>100%</td>
<td>Excellent</td>
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<tr>
<td>10,000 psi</td>
<td></td>
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<td>ACIDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrochloric</td>
<td>35%</td>
<td>Poor</td>
</tr>
<tr>
<td>Sulfuric</td>
<td>25%</td>
<td>Poor</td>
</tr>
<tr>
<td>Nitric</td>
<td>35%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Prune</td>
<td>Saturated solution</td>
<td>Excellent</td>
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<tr>
<td>BASE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caustic</td>
<td>100%</td>
<td>Excellent</td>
</tr>
<tr>
<td>Caustic - 12 pH</td>
<td>12 pH</td>
<td>Excellent</td>
</tr>
<tr>
<td>Caustic - 125°F/50°C</td>
<td>9.5 pH</td>
<td>Excellent</td>
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</table>

Airmaster Fan Company

Ceiling Fan Accessories

Model No. | Description       | Wt. | Price / Each |
---------|-------------------|-----|-------------|
EA363    | Variable speed control regulates 1 to 6 fans. Not to exceed a maximum amp draw of 6 amps | 1  | 187.20 |
EA364    | Variable speed control regulates 7 to 12 fans. Not to exceed a maximum amp draw of 10 amps | 1  | 179.00 |
EA365    | Variable speed control, 227°F, regulates 1 to 3 fans. 1.5 Amps | 1  | 90.60 |
GUARD KIT FOR 56” FANS
EA366    | 67” dia. nickel chrome plated top and bottom protective guard kit | 21 | 437.00 |

STI

Safety Technology International, Inc.

SAN649

SAN648

INSTRUCTIONS, SCALES & ELECTRICAL

OFFICE PRODUCTS
**18” CART MOUNTED FANS**
- 115 V, 1/8 HP, 1 phase, 3-speed, open drip proof, ball bearing motor
- Adjusts on 360°
- Nickel chrome guards meet OSHA regulations
- Four-position easy reach switch with 10’ three-conductor cord and plug
- Aluminum propellers
- 4” casters
- CFMA: 2966 high, 2437 medium, 2013 low
- RPM: 1600 high, 1350 medium, 1180 low
- Weight: 23 lbs.
- 1-year warranty

Model No. EA335
Price/Each $284.00

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**99.97% HEPA AIR PURIFIERS**
- Effectively removes up to 99.97% of airborne particulate pollutants as small as 0.3 microns such as dust, pollen, smoke, mould spores and pet dander from air passing through the filter
- Digital control
- Space saving design can be placed upright or on side
- Carbon filter enhanced with baking soda to absorb and eliminate odours
- Filter service check - reminds you when it’s time to clean the filter
- Timer
- CADR smoke 168, dust 174 and pollen 140

**DEHUMIDIFIERS**
- Provides efficient dehumidification power for healthier air quality and a drier, more comfortable environment
- Energy efficient
- Digital controls allows you to set desired humidity level, fan speed and 24 hour timer
- Restarts after a power outage at previous setting
- Easy guide castor and built-in handle makes unit easy to move from room to room

Model No. Capacity Coverage Price
EA765 30 1550 360.00
EA766 70 4500 469.00
EA767 70 4500 512.00

*Automatically pumps water up to 10 vertical feet

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**MOBILE 3 IN 1 AIR CONDITIONERS**
- 3-in-1 Air comfort system (Air, Fan and dehumidify)
- Use with remote control or control panel
- Less than 65 db sound
- Rolling caster wheels for easy portability
- 24 hour timer and 2 fan speeds
- Window kit included

**DEHUMIDIFIERS**
- Water bucket full indicator
- Portable unit on casters allows for easy movement of the unit
- Electronic controls with LED display
- Timer feature
- Clean filter reminder with LED indicator
- External drain connector
- Automatic defrost

**BRANDS**
**ROYAL SOVEREIGN**
**SUNBEAM**
**BIANOIRE**
**GREE**

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**REPLACEMENT FILTERS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Type</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>EA787</td>
<td>HEPA filter</td>
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<tr>
<td>BB226</td>
<td>Carbon filter</td>
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**PRODUCT INFORMATION**

**OFFICE PRODUCTS**
**INSTRUMENTS, SCALES & ELECTRICAL**
**SHIPPING & PACKAGING**
**TOOLS & EQUIPMENT**
**WELDING & METALWORKING**
**SAFETY EQUIPMENT & SUPPLIES**
**JANITORIAL & MAINTENANCE**
**MATERIAL HANDLING & STORAGE**

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**SUNBEAM WHOLE HOUSE COOL MIST HUMIDIFIER**
- Up to 24-hour run time per tank filling with auto shut-off
- Shatterproof Tank
- 3-speed settings
- Removable, flat tank for easy filling and cleaning
- Antimicrobial Product Protection is infused into the plastic to help prevent the growth of bacteria that can cause stains and odors or adversely affect performance
- Easy to fill tank with side fill option for easy filling in sinks
- **Type**: Cool Mist
- **Tank Capacity**: 2.44 Gal
- **Coverage**: 2000 sq. ft.

Model No. EA668
Price/Each $145.00
HEAVY-DUTY FIXED BELT DRIVE DRUM FAN
- Fully enclosed motor
- All-metal construction
- 12’ power cord
- Size: 42”
- No. of Speeds: 2
- HP: 3/4
- Max. CFM: 20,945
Model No. EA662
Price/Each $995.00

HIGH VELOCITY FLOOR FAN
- All-metal construction
- Vertical pivot fan head
- Copper motor for longer lifetime
- Size: 20”
- No. of Speeds: 3
- HP: 0.2
Model No. EA661
Price/Each $179.00

HIGH VELOCITY OSCILLATING WALL FAN
- Adjustable tilting fan head
- Sliding switch at front of base
- Rotating or fixed air direction
- Type: Wall Mounted
- Size: 20”
- No. of Speeds: 3
Model No. EA660
Price/Each $193.00

LIGHT INDUSTRIAL DIRECT-DRIVE SLIM DRUM FAN
- All-metal construction, painted black & chrome with aluminum blades
- 6’ SJT power cord
- 5” casters and easy-moving handle
- Open motor type
- 360° vertical tilt angle
- Diameter: 24”
- No. of Speeds: 3
- HP: 3/10
- Motor: 120 V/60 Hz, 3-speed
- CFM High: 7770
- CFM Low: 4200
- Weight: 25.09 lbs.
- Watts: 215 W
Model No. EA778
Price/Each $197.00

STAINLESS STEEL DIRECT DRIVE DRUM FAN
- Durable stainless steel housing built to last a long time
- Non-skid front legs to keep your fan in position while operating
- Metal handle for portability
- No. of Speeds: 2
Model No. EA758
Price/Each $282.00

GALVANIZED STEEL BELT DRIVE DRUM FAN
- Made from durable corrosion resistant galvanized steel housings which are built to last
- Non-skid front legs keep fan in place while in operation
- Metal handles for portability
- Size: 36”
- No. of Speeds: 2
- HP: 0.5
Model No. EA672
Price/Each $641.00

24” DIRECT DRIVE DRUM FAN
- Made from durable corrosion resistant galvanized steel housing which is built to last
- Tilting floor stand to move air where needed
- 3 prong heavy duty 10ft power cord
- Diameter: 24”
- No. of Speeds: 2
- HP: 1/5
Model No. EA758
Price/Each $282.00

ELECTRONIC WINDOW HORIZONTAL AIR CONDITIONERS
- 3-Speed Fan
- 4 way directional louvers
- Auto Restart
- Digital Display and Remote Control
- 24-H Timer
- Energy Saver mode
- Filter cleaning indicator
- Washable filter
- Compressor start-stop protection

Model No. BTU Rating Dimensions W” x D” x H” Wt. Price /Each
EA761 8000 19 x 19 x 14 57 467.00

HVAC

INSTRUMENTS, SCALES & ELECTRICAL

OFFICE PRODUCTS

SAFETY EQUIPMENT & SUPPLIES

1470 MATERIAL HANDLING & STORAGE

JANITORIAL & MAINTENANCE

WELDING & METALWORKING

TOOLS & EQUIPMENT

SHIPPING & PACKAGING

1466-1520_Eng.indd 1470
2018-07-12 11:56 AM
LIGHT INDUSTRIAL DIRECT DRIVE DRUM FANS
- 120 V/60 Hz, 2-speed motor
- All-metal construction, painted black
- 6”-5/8” power cord
- 6” casters and easy moving handle

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EA286</td>
<td>28</td>
<td>1/4</td>
<td>221</td>
<td>9050</td>
<td>6560</td>
<td>22</td>
<td>$525.00</td>
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<tr>
<td>EA288</td>
<td>36</td>
<td>1/2</td>
<td>405</td>
<td>11280</td>
<td>9100</td>
<td>30.5</td>
<td>$612.00</td>
</tr>
</tbody>
</table>

36” BELT DRIVE DRUM FANS
- 115 V, 1/2 HP, 2-speed, 1-phase, ball bearing motor
- 3-bladed aluminum propellers
- 2-speed rocker switch
- Epoxy coated barrel and steel resilient mounted guards
- Steel wheels with rubber tires
- Easy grip handle with cord wrap
- 10’ cord with three-prong plug
- Tiltable
- CFM: 7800 (high), 5300 (low)
- RPM: 660 (high), 450 (low)
- Weight: 116 lbs.
Model No. EA318
Price/Each $812.00

GALVANIZED STEEL BELT DRIVE DRUM FAN
- Made from durable corrosion resistant galvanized steel housings which are built to last
- Non-skid front legs keep fan in place while in operation
- Metal handles for portability
- 3-prong heavy duty power cord
- Size: 48”
- No. of Speeds: 2
- HP: 0.75
Model No. EA674
Price/Each $860.00

24” DIRECT DRIVE DRUM FANS
- 115 V, 1/4 HP, 2-speed, 1-phase, ball bearing motor
- 3-bladed galvanized steel propellers
- 2-speed rocker switch
- Epoxy coated barrel and steel resilient mounted guards
- Two steel wheels with rubber tires
- Handle with cord wrap for 10’ cord with three-prong plug
- Tiltable
- CFM: 6000 (high), 2100 (low)
- RPM: 1100 (high), 800 (low)
- Weight: 70 lbs.
Model No. EA338
Price/Each $565.00

42” BELT DRIVE DRUM FANS
- 115 V, 1 HP, 2-speed, 1-phase, ball bearing motor
- Motor out of air stream – stays clean
- Aluminum 4-bladed propellers
- Rocker switch
- Epoxy coated steel spiral, resilient mount guards
- Steel hubbed wheels, swivel locking casters
- 20-gauge roll form epoxy coated housing
- 10’ three-conductor cord and plug
- CFM: 17 100 (high), 9558 (low)
- RPM: 430 (high), 285 (low)
- Quiet operation:
  - 75 dB (high), 67 dB (low)
- Weight: 130 lbs.
Model No. EA319
Price/Each $1093.00

DIRECT DRIVE 4-IN-1® DRUM FANS
- 115 V, 3 phase, ball bearing motor
- One fan with four mounting options in the same carton:
  - Hanging mount, ceiling mount, wall mount, portable barrel
- Guards, barrel mountings, epoxy coated
- Pull chain switch
- Tiltable

OFFICE PRODUCTS | INSTRUMENTS, SCALES & ELECTRICAL | SHIPPING & PACKAGING | TOOLS & EQUIPMENT | WELDING & METALWORKING | SAFETY EQUIPMENT & SUPPLIES | JANITORIAL & MAINTENANCE | MATERIAL HANDLING & STORAGE

1466-1520_1®️ 1471
SMOKE EJECTORS

Remove smoke, welding fumes and undesirable contaminants from the air or bring clean air in. Reversible smoke ejectors are equipped with a totally enclosed ball bearing motor with automatic overload protection. Units are CSA approved. Explosion-proof models in accordance with Class I Group D/Class II Group E/F. All are 115 VAC, 1/3 HP, 1725 RPM equipped with a 6' power cord, cord holder and cadmium plated protection guards. Hoses are fire safe single ply neoprene impregnated nylon.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Type</th>
<th>CFM @ 0.10” SP</th>
<th>Box Dim. L” x W” x H”</th>
<th>Fan Size”</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA099</td>
<td>Standard</td>
<td>1620</td>
<td>17 x 14 1/8 x 14 1/8</td>
<td>12</td>
<td>1079.00</td>
</tr>
<tr>
<td>BA101</td>
<td>Standard</td>
<td>3151</td>
<td>17 x 19 1/8 x 19 1/8</td>
<td>16</td>
<td>1248.00</td>
</tr>
<tr>
<td>BA103</td>
<td>Standard</td>
<td>3700</td>
<td>17 x 21 3/8 x 21 3/8</td>
<td>18</td>
<td>1282.00</td>
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<tr>
<td>BA102</td>
<td>Exp. Proof</td>
<td>3151</td>
<td>17 x 19 1/8 x 19 1/8</td>
<td>16</td>
<td>2755.00</td>
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<tr>
<td>BA104</td>
<td>Exp. Proof</td>
<td>3700</td>
<td>17 x 21 3/8 x 21 3/8</td>
<td>18</td>
<td>2836.00</td>
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</tbody>
</table>

COLLAR ADAPTERS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fan Size”</th>
<th>Price / Each</th>
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<tbody>
<tr>
<td>BA026</td>
<td>12</td>
<td>182.00</td>
</tr>
<tr>
<td>BA028</td>
<td>16</td>
<td>201.00</td>
</tr>
<tr>
<td>BA029</td>
<td>18</td>
<td>229.00</td>
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</tbody>
</table>

SMOKE EJECTORS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fan Size”</th>
<th>Price / Each</th>
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</thead>
<tbody>
<tr>
<td>BA049</td>
<td>15</td>
<td>216.00</td>
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<tr>
<td>BA050</td>
<td>20</td>
<td>268.00</td>
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<tr>
<td>BA051</td>
<td>20</td>
<td>333.00</td>
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</tbody>
</table>

SHUTTER FANS

• 115 V motor 1 phase
• Totally enclosed motor
• Direct drive, low pressure
• Fully assembled, ready to Install
• Rear guard meets OSHA standards
• 24” and 30” : 3 speeds with pull chain motor, plug and cord included

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fan Size”</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA368</td>
<td>7 1/10 121</td>
<td>60</td>
</tr>
<tr>
<td>EA369</td>
<td>10 1/10 631</td>
<td>318</td>
</tr>
<tr>
<td>EA370</td>
<td>12 1/10 875 490</td>
<td>15.1 8 8 8.06 2.38 12 3 15 1/8 13 1/2 12</td>
</tr>
<tr>
<td>EA371</td>
<td>16 1/20 1216</td>
<td>765</td>
</tr>
<tr>
<td>EA372</td>
<td>18 1/15 1877</td>
<td>752</td>
</tr>
<tr>
<td>EA373</td>
<td>20 1/15 2235</td>
<td>920</td>
</tr>
<tr>
<td>EA374</td>
<td>24 1/4 3214</td>
<td>2015</td>
</tr>
<tr>
<td>EA375</td>
<td>30 1/4 4970</td>
<td>3510</td>
</tr>
</tbody>
</table>

ALL PURPOSE WALL FANS

• 115 V motor
• Direct drive, low pressure
• Totally enclosed sleeve bearing motors
• Non-overloading propeller
• High efficiency, low operating cost
• Built-in rear guard
• Commercial duty
• Four holes 0.18” dia.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Fan Size”</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA376</td>
<td>10 1/30 1550</td>
<td>630</td>
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<tr>
<td>EA377</td>
<td>12 1/30 1550</td>
<td>837</td>
</tr>
<tr>
<td>EA378</td>
<td>16 1/30 1050</td>
<td>1059</td>
</tr>
<tr>
<td>EA379</td>
<td>18 1/30 1050</td>
<td>2504</td>
</tr>
</tbody>
</table>
30/30® HIGH-CAPACITY PLEATED PANEL FILTERS

Features and benefits:
• High capacity pleated panel filter available in 1", 2" or 4" depths
• A welded wire grid to maintain the radial pleat and eliminates distortion of the media pack even under turbulent or high airflow conditions
• Exclusive MERV 8 Media, blended from cotton and polyester fibres, providing consistent dirt removal efficiency throughout the life of the filter
• The 30/30 meets today’s medical facility requirements
• A low initial and maintained low resistance to airflow, over the life of the filter that saves energy dollars
• A high wet-strength beverage board frame for maintained filter rigidity in any application
• Maximum continuous operating temperature of 200ºF (93ºC)
• Proprietary blend of cotton and synthetic fibres in a uniform lofted media blanket

Efficiency: Value of 8 for MERV and MERV-A when evaluated under ASHRAE Testing Standard 52.2.

Typical applications: Pre-filters to higher efficiency filters, stand-alone filter for rooftops, split systems, free-standing units and package systems and air handlers. Ideal for commercial, industrial, institutional or any other application where the ultimate level of protection of equipment and indoor air quality is a concern.

AEROPLEAT® III STANDARD CAPACITY PLEATED PANEL FILTERS

Features and benefits:
• Medium capacity pleated panel filter
• Optimum blend of cotton and synthetic fibres provides medium grade ASHRAE performance and increased dust-holding capacity
• Welded wire media grid is treated for corrosion resistance and prevents media oscillation or pull-away
• High wet-strength beverage board frame creates a rigid and durable filter pack
• Efficiency MERV 8 when evaluated per ASHRAE Standard S2.2-2007 and MERV-A of 8 when evaluated under Appendix J of that Standard
• Applications include commercial buildings, educational facilities and specialty manufacturing
• As a pre-filter the Aeropleat III offers protection for the higher efficiency final filters required for today’s high technology applications
HVAC

PORTABLE FAN-FORCED UTILITY HEATERS
- Two heat settings (1300 W and 1500 W) provide full comfort and efficient operation
- Adjustable thermostat
- Fan-only setting
- Tip over safety switch
- Built-in carrying handle with front safety guards

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA598</td>
<td>120</td>
<td>1300/1500</td>
<td>4430/5120</td>
<td>10/8/12.5</td>
<td>56.95</td>
</tr>
</tbody>
</table>

PORTABLE FAN-FORCED CONVECTION HEATERS
- Two heat settings (1500 W and 750 W) provide full comfort and efficient operation
- Adjustable thermostat
- Wide-angle oscillation
- Tip over safety switch and thermal limit control

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA597</td>
<td>120</td>
<td>750/1500</td>
<td>2560/5200</td>
<td>6.25/12.5</td>
<td>42.89</td>
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</tbody>
</table>

PORTABLE CERAMIC HEATERS
- Two heat settings (1500 W and 750 W) provide full comfort and efficient operation
- Adjustable thermostat
- PTC heating element
- Tip over safety switch and thermal safety fuse

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA599</td>
<td>120</td>
<td>750/1500</td>
<td>2560/5200</td>
<td>6.25/12.5</td>
<td>56.95</td>
</tr>
</tbody>
</table>

CONTRACTOR HEATERS
- Built-in thermostat
- Safety high temperature limit
- Steel spiral fin brazed to metal sheath elements for maximum heat transfer
- 6” heavy-duty cord
- Built-in handle/cord storage
- Permanently lubricated motor

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
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</thead>
<tbody>
<tr>
<td>EA477</td>
<td>240</td>
<td>1</td>
<td>5600</td>
<td>19 110</td>
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<tr>
<td>EA561</td>
<td>240</td>
<td>1</td>
<td>4800</td>
<td>16300</td>
<td>20</td>
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</table>

PORTABLE OPEN COIL HEATERS
- Two heat settings (1500 W and 1000 W)
- Provide full comfort and efficient operation
- Fully adjustable automatic thermostat
- Safety overload switch
- Power signal light
- Top-mounted handle and controls
- Grounded plug and controls

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
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</thead>
<tbody>
<tr>
<td>EA469</td>
<td>120</td>
<td>1340/520</td>
<td>1000/1500</td>
<td>8.3/12.5</td>
<td>74.20</td>
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</tbody>
</table>

PORTABLE FAN-FORCED/RADIANT UTILITY HEATERS
- Three heat settings provide full comfort and efficient operation
- 600 W radiant
- 900 W fan forced
- 1500 W fan forced and radiant
- Chrome-plated safety grill
- Automatic built-in thermostat
- Ceramic core element
- Tip over safety switch and thermal limit

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA466</td>
<td>120</td>
<td>600/900/1500</td>
<td>2048/3672/5120</td>
<td>5.0/7.5/12.5</td>
<td>129.00</td>
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</tbody>
</table>

OIL-FILLED HEATERS
- 7-fin, oil-filled heater
- Three heat settings provide full comfort and efficient operation
- Adjustable thermostat
- Built-in over heating protection

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
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<tbody>
<tr>
<td>EA612</td>
<td>120</td>
<td>1500</td>
<td>5120</td>
<td>12.5</td>
<td>91.35</td>
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</table>

PORTABLE CERAMIC HEATERS
- Two heat settings provide full comfort and efficient operation
- Adjustable thermostat
- Convenient carry handle

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>BTU/H</th>
<th>Amps</th>
<th>Price /Each</th>
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</thead>
<tbody>
<tr>
<td>EA785</td>
<td>120</td>
<td>750/1500</td>
<td>2600/5200</td>
<td>10/7.5/12.5</td>
<td>79.25</td>
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<tr>
<td>EA650</td>
<td>120</td>
<td>900/1500</td>
<td>2500/5200</td>
<td>12.5</td>
<td>74.20</td>
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</table>

1474
PORTABLE UNDER DESK RADIANT HEATER
- Thin and lightweight
- Includes fold-out metal floor stand
- Type: Radiant Heat
- Power Source: Electric
- Min BTU Rating: 580 BTU/H
- Max BTU Rating: 580 BTU/H
- Voltage: 120 V
Model No. EA651
Price/Each $110.00

HEAVY-DUTY CEILING MOUNT HEATERS
- Multi wattage covering 3000-5000 W (3000 W, 4000 W, 5000 W)
- Rugged heavy-duty industrial heater
- Ideal for use in storage rooms, workshops, garages, warehousing
- Built-in ceiling bracket for easy mounting
- Automatic fan delay

FAN-FORCED ZONAL WALL HEATERS
- Built-in thermostat
- European styling: sleek rounded corners
- Dual protection: thermal cutout with indicator light and one time thermal fuse
- Fast coil response element assures quick heat and low maintenance

PORTABLE ELECTRIC BLOWER HEATERS
- Heavy-duty fin-tube metal heating element
- Fan-only operation for summer cooling
- Safe to operate in unattended areas
- Shipped fully assembled
- 240 V, 10 kW, 41.7 A, 32 120 BTU/H
Note: for indoor use only with ceiling heights of 15’ or less
Model No. EA101
Price/Each $949.00

SUN BLAST® HEATERS
- Efficient, heats radiantly, directly, no loss of heat to the air
- Economical, no electricity required
- Fits on a standard 20 lb. LP cylinder
- Variable BTU output
- Manual ignition
- Front and back protective grill
- No assembly required
- Heater shuts off automatically with loss of flame
- Natural gas version also available

PORTABLE SALAMANDER HEATERS
- Manufactured for long lasting, this portable heater for warehouses, factories, garages, construction sites, pavilions and other open areas, raise temperature to the desired level gradually for worksite comfort
- Adjustable thermostat
- Adjustable tilt angle
- Mounted on 10’’ solid rubber wheels
- Over heat protection
- Easy to move to different areas of the site
- One heat setting, fan forced
- Voltage: 240V
- Wattage: 10000 W
- Fan Motor Type: Enclosed air over, Ball bearing
- Colour: Orange with Black Cart
- Type: Contractor
- BTU Rating: 34 121 BTU/H
Model No. EA786
Price/Each $940.00

STRATEGIC MANUFACTURING PRODUCTS

<table>
<thead>
<tr>
<th>Area Size sq ft</th>
<th>Temperature Rise 10°C</th>
<th>15°C</th>
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</thead>
<tbody>
<tr>
<td>1000</td>
<td>70 min</td>
<td>140 min</td>
</tr>
<tr>
<td>1500</td>
<td>105 min</td>
<td>210 min</td>
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<table>
<thead>
<tr>
<th>Model No.</th>
<th>Volts</th>
<th>Watts</th>
<th>Amps</th>
<th>Min Max</th>
<th>BTU/H</th>
<th>Price/Each</th>
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<tr>
<td>EA031</td>
<td>240</td>
<td>2000</td>
<td>100/500/1000</td>
<td>500</td>
<td>8.3/3.4/2.1</td>
<td>5124/5118/4741/1706</td>
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<tr>
<td>EA652</td>
<td>240</td>
<td>2000</td>
<td>100/500/1000</td>
<td>500</td>
<td>12.5/9/6.3/3.1</td>
<td>5118/5138/2560/1280</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>BTU/H</th>
<th>Price/Each</th>
</tr>
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<tbody>
<tr>
<td>JG966</td>
<td>SUN BLAST 15 Single Tank-Top Radiant Heater 9000</td>
<td>15 000</td>
<td>$75.00</td>
</tr>
<tr>
<td>JG967</td>
<td>SUN BLAST 30 Double Tank-Top Radiant Heater 9000</td>
<td>30 000</td>
<td>$160.00</td>
</tr>
</tbody>
</table>
## HVAC

### TRADESMAN™ FORCED AIR PROPANE HEATERS
- Tradesman® forced air heaters feature a unique 3-trial ignition system, the industry’s heaviest gauge combustion chamber and burner plate
- Variable output control for maximized fuel efficiency
- Electronic spark ignition
- Thermostatic temperature control
- Tri-Shield finish provides protection against abrasion and corrosion
- Adjustable front leg provides easy direction of heat
- 15’ hose
- Voltage: 115 V

### TRADESMAN™ FORCED AIR KEROSENE HEATERS
- Tradesman® kerosene heaters provide instant, efficient, directional heat
- Dual-prong electronic spark ignition
- Auxiliary 110 V power receptacle
- Temperature display and thermostat
- Fuel gauge indicates remaining run time
- Threaded drain plug
- Wheels and handles make it easier to maneuver (JG958, JG959, JG960 only)
- Includes pressure gauge (JG958, JG959, JG960 only)
- Voltage: 115 V

### PREMIER™ FORCED AIR KEROSENE HEATER
- Premier® heaters are ideal for small or large work spaces, renovation jobs, and any applications where low noise or an enclosed flame is important
- Can be used to provide heat or simple air circulation inside or be ducted in from the outside
- Quiet operation
- Can be used with or without ducting
- Dependable electronic spark ignition
- Tri-Shield finish provides protection against abrasion and corrosion
- 15’ hose and regulator included
- 20’ remote start thermostat
- Vent mode for circulation of air
- Easy to transport
- Voltage: 115 V

### SUN BLAST® FLAT PANEL RADIANT HEATER
- Sun Blast® flat panel is great for spot heating large areas
- Folding handle and wheels for easy transport
- Piezo pilot ignition
- Tip over switch shuts product down for safety
- Works with standard 20 lb. cylinder
- Lightweight for easy maneuverability
- Directional heating
- Natural gas version also available

### SUN BLAST® RADIANT HEATER
- Sun Blast® round provides 360° radiant heating
- High handle and wheels for easy transport
- Durable rugged construction
- Ideal for any construction site
- Piezo pilot ignition
- Tip over switch shuts product down for safety
- Natural gas version also available

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Amperage (Starting/Continuous Operation)</th>
<th>Wattage (Starting/Continuous Operation)</th>
<th>BTU Rating</th>
<th>Price /Each</th>
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<tbody>
<tr>
<td>JG953</td>
<td>TRADESMAN 170</td>
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CONTRACTOR SERIES LED A19 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 2700 K
- Bulb Shape: A19
- Base Type: Medium
- CRI: 80
- Bulb Finish: Frosted

CONTRACTOR SERIES LED PAR16 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: PAR16
- Base Type: Medium
- CRI: 82
- Lamps per Pack: 2

CONTRACTOR SERIES LED PAR20 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: PAR20
- Base Type: Medium
- CRI: 82
- Lamps per Pack: 2

CONTRACTOR SERIES LED PAR38 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: PAR38
- Base Type: Medium
- CRI: 82
- Lamps per Pack: 2

CONTRACTOR SERIES LED PAR30 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: PAR30
- Base Type: Medium
- CRI: 82
- Lamps per Pack: 2

CONTRACTOR SERIES LED MR16 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: MR16
- Base Type: GU10
- CRI: 81
- Lamps per Pack: 3

CONTRACTOR SERIES LED MR11 LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Suitable for damp environments
- UV and IR-free
- Non-dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 3000 K
- Bulb Shape: MR11
- Base Type: GU5.3
- CRI: 82
- Lamps per Pack: 2
CONTRACTOR SERIES LED BR30 REFLECTOR LAMP
- Great value LED light bulb
- Offers years of service at reduced energy and maintenance cost
- Dimmable
- Lamp Life: 11000 hrs.
- Colour Temperature: 2700 K
- Bulb Shape: BR30
- Base Type: Medium
- CRI: 80
- Lamps per Pack: 2

ENERGY SAVING LED LAMPS
- Energy saving LED lamp that is designed to replace traditional fluorescent T8 lamps
- Provide instant and uniform light distribution
- Can be operated on existing instant start and select programmed rapid start electronic T8 ballasts
- Wattage: 17 W
- Base Type: Medium Bi-Pin
- Bulb Shape: T8
- Nominal Length: 48”
- CRI: 82
- Lamps per Case: 10
- Lamp Life: 36000 hrs.
- Lumin: 2200

ECONOMY LINE LAMPS
- BR30 REFLECTOR LAMP
- CONTRACTOR SERIES LED
- SUBSTITUTE® VALUE LED T8 LAMPS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Watts</th>
<th>Lumens</th>
<th>Equivalent to</th>
<th>Price/Pack</th>
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<tbody>
<tr>
<td>XC50</td>
<td>10</td>
<td>120</td>
<td>Fluorescent spiral</td>
<td>8000</td>
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<tr>
<td>XC62</td>
<td>13</td>
<td>120</td>
<td>Fluorescent spiral</td>
<td>8000</td>
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<tr>
<td>XC51</td>
<td>13</td>
<td>120</td>
<td>Fluorescent spiral</td>
<td>10000</td>
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<tr>
<td>XC53</td>
<td>13</td>
<td>120</td>
<td>Fluorescent spiral</td>
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<td>XC55</td>
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</tr>
<tr>
<td>XC56</td>
<td>150</td>
<td>130</td>
<td>Incandescent A21 inside frost</td>
<td>7000</td>
</tr>
<tr>
<td>XC57</td>
<td>150</td>
<td>130</td>
<td>Incandescent A21 clear</td>
<td>7000</td>
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<tr>
<td>XC64</td>
<td>100</td>
<td>130</td>
<td>Incandescent A21 clear</td>
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<tr>
<td>XC65</td>
<td>100</td>
<td>130</td>
<td>Incandescent rough service</td>
<td>2500</td>
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<tr>
<td>XC66</td>
<td>120</td>
<td>130</td>
<td>Incandescent BR38 flood</td>
<td>5000</td>
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<td>XC67</td>
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<td>Incandescent BR30 flood</td>
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<td>XC96</td>
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<td>Halogen G4010</td>
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<td>XC71</td>
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<td>Halogen PAR38 flood</td>
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</table>

ZENITH
Safety Products

SAFETY
EYEWEAR
GLOVES

SPILL CONTROL
TRAFFIC CONTROL
HIGH INTENSITY DISCHARGE LAMPS (HID)

HID lamps offer long life, maximum efficiency, and brighter light than an incandescent light source for a variety of indoor and outdoor applications. Product benefits such as long life, high lumen output per watt and improved colour rendering make HID lamps one of the fastest growing products on the market.

High pressure sodium lamps deliver more lumens per watt over rated life than most other HID light sources available today. High pressure sodium lamps are ideally used in:
- Industrial installations
- Parking areas
- Terminals
- Walkways
- Building facades
- Bridges

Metal halide is the most efficient source of white light available today. Metal halide lamps are excellent choices in:
- Shopping malls
- Greenhouses
- Warehouses
- Retail facilities
- Street and sports lighting

HALOGEN LAMPS

<table>
<thead>
<tr>
<th>Watts</th>
<th>Lamp Base</th>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Qty /Case</th>
<th>Description</th>
<th>Life avg. rated hours</th>
<th>Approx. initial lumens</th>
<th>Approx. mean lumens</th>
<th>Colour temp</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>ET-23 1/2&quot; Mogul</td>
<td>XB196</td>
<td>US 0/ ECO</td>
<td>20</td>
<td>Clear</td>
<td>24000++</td>
<td>4000</td>
<td>3600</td>
<td>1900 K</td>
<td>17.90</td>
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<td>70</td>
<td>ET-23 1/2&quot; Mogul</td>
<td>XB197</td>
<td>US 0/ ECO</td>
<td>20</td>
<td>Clear</td>
<td>24000++</td>
<td>6100</td>
<td>5500</td>
<td>1900 K</td>
<td>17.90</td>
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<td>100</td>
<td>ET-23 1/2&quot; E9 Mogul</td>
<td>U6555</td>
<td>U0900/ PLUS/ ECO</td>
<td>20</td>
<td>Clear</td>
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<td>10 000</td>
<td>7940</td>
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<td>250</td>
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<td>U2250/ ECO</td>
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<td>U4400/ ECO</td>
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<td>Clear</td>
<td>24000+</td>
<td>50 000</td>
<td>45 000</td>
<td>2100 K</td>
<td>18.90</td>
</tr>
<tr>
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<td>E-17 Medium</td>
<td>XB205</td>
<td>U50/ MED</td>
<td>20</td>
<td>Clear</td>
<td>20 000+</td>
<td>4000</td>
<td>3600</td>
<td>1900 K</td>
<td>17.90</td>
</tr>
<tr>
<td>70</td>
<td>E-17 Medium</td>
<td>XB206</td>
<td>U70/ MED</td>
<td>20</td>
<td>Clear</td>
<td>20 000+</td>
<td>6100</td>
<td>5350</td>
<td>1900 K</td>
<td>16.50</td>
</tr>
<tr>
<td>100</td>
<td>E-17 Medium</td>
<td>XB207</td>
<td>U100/ MED</td>
<td>20</td>
<td>Clear</td>
<td>24 000+</td>
<td>9500</td>
<td>8000</td>
<td>2100 K</td>
<td>17.90</td>
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METAL HALIDE

<table>
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<tr>
<th>Watts</th>
<th>Lamp Base</th>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Qty /Case</th>
<th>Description</th>
<th>Life avg. rated hours</th>
<th>Approx. initial lumens</th>
<th>Approx. mean lumens</th>
<th>Colour temp</th>
<th>Price /Each</th>
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<tbody>
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<td>70</td>
<td>E-17 Med.</td>
<td>XB209</td>
<td>MP70/ U/MED</td>
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<td>Clear, univ. burn</td>
<td>15 000V, 10 000H</td>
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<td>3900</td>
<td>75</td>
<td>3000 K</td>
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<tr>
<td>100</td>
<td>E-17 Med.</td>
<td>XB210</td>
<td>MP100/ U/MED</td>
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<td>15 000V, 10 000H</td>
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<td>6400</td>
<td>75</td>
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HALOGEN LAMPS
### LAMPS

#### COMPACT FLUORESCENT LAMPS

![Image](image-url)

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<th>Lamp</th>
<th>Base</th>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Qty /Case</th>
<th>Description</th>
<th>Life rated hours</th>
<th>Colour Temp. (K)</th>
<th>Price /Package</th>
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<td>Micro-Mini Twist 2/pkg.</td>
<td>Medium</td>
<td>XG974</td>
<td>CF13EL/SPRAL/827</td>
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### UNIVERSAL

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<th>Model No.</th>
<th>Mfg. No.</th>
<th>Qty /Case</th>
<th>Description</th>
<th>Life rated hours</th>
<th>Light output approx. initial lumens</th>
<th>Price /Each</th>
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<tbody>
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<td>T-4</td>
<td>G24Q-3</td>
<td>XS27</td>
<td>CF2600/E/835/ECO</td>
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<td>G24Q-3</td>
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### DOUBLE TUBE

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<th>Mfg. No.</th>
<th>Qty /Case</th>
<th>Description</th>
<th>Life rated hours</th>
<th>Light output approx. initial lumens</th>
<th>Price /Each</th>
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<td>D (T-4)</td>
<td>G24Q-3</td>
<td>XG923</td>
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### TRIPLE TUBE

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<th>Qty /Case</th>
<th>Description</th>
<th>Life rated hours</th>
<th>Light output approx. initial lumens</th>
<th>Price /Each</th>
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<td>XG955</td>
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<td>4100 K, 82 CRI</td>
<td>15000</td>
<td>3105</td>
<td>9.89</td>
</tr>
</tbody>
</table>

---

**Zenith sorbents... Work as hard as you do!**

---

**1480**

- **MATERIAL HANDLING & STORAGE**
- **JANITORIAL & MAINTENANCE**
- **SAFETY EQUIPMENT & SUPPLIES**
- **WELDING & METALWORKING**
- **TOOLS & EQUIPMENT**
- **SHIPPING & PACKAGING**
- **INSTRUMENTS, SCALES & ELECTRICAL**
- **OFFICE PRODUCTS**

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1466-1520_Eng.indd 1480

2018-07-12 11:58 AM
<table>
<thead>
<tr>
<th>Nominal Watts</th>
<th>Lamp Length</th>
<th>Base</th>
<th>Model No.</th>
<th>Mfg. No.</th>
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LAMPS

XB186

T5

T6

T12

U-BENT

HIGH OUTPUT

OFFICE PRODUCTS

INSTRUMENTS, SCALES & ELECTRICAL

SHIPPING & PACKAGING

TOOLS & EQUIPMENT

WELDING & METALWORKING

SAFETY EQUIPMENT & SUPPLIES

SANITARY & MAINTENANCE

MATERIAL HANDLING & STORAGE

1466-1520_Eng.indd 1481
2018-07-12 11:58 AM
## LAMPS

### BALLASTS

For use with fluorescent fixtures

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**Afraid of Heights...**

**We've Got You Covered!**

Canada’s Leading Material Handling Supplier
CANADIAN WIRE CONNECTOR KITS

450 PIECES

- A variety of connectors to fit a large range of wire sizes
- Great for servicing technicians
- Convenient and durable carrying case
- Reusable packaging
- Made in Canada
- UL Listed and CSA Certified
- Kit Components:
  - 20 x WingTwist® Wire Connector - Blue 14-6 AWG (WT5 - Rated 600V)
  - 20 x Canadian Wire Twist™ - Red 18-14 AWG (C6 - Rated 600V)
  - 85 x Canadian Wire Twist™ - 22-8 AWG (007 - Rated 600V)
  - 50 x Canadian Wire Twist™ - Yellow 18-10 AWG (C4 - Rated 600V)
  - 50 x Can-Twist Extreme™ 22-12 AWG (007XT - Rated 600V)
  - 100 x WireTwist® Wire Connector - Blue 22-14 AWG (WT2 - Rated 300V)
  - 50 x WireTwist™ Wire Connector - Gray 22-14 AWG (WT1 - Rated 300V)
  - 75 x Canadian Wire Twist™ - Orange 18-14 AWG (C3 - Rated 600V)
  - 50 x Canadian Wire Twist™ - Blue 22-14 AWG (C3 - Rated 600V)

CABLE TRACERS

- All components are fully fuse protected and intrinsically safe
- Model R2000 Receiver has two detectors in its tip which are tuned to pick up the electromagnetic signals or electrostatic signals
- LEDs and sensitivity settings indicate the relative signal strength
- Model S6200 Load Signal Generator, when connected to an energized line, will draw a rapidly fluctuating current pulse from the source, causing the power line to emit an electromagnetic signal
- Model T2200 Transmitter injects a signal into an unenergized conductor R2000
- Model A2201 Inductive Clamp when clamped around the energized line and plugged into the T2200 will induce a signal onto the downstream (load) side
- Includes: Receiver, load signal generator, transmitter, clamp-on transmitter accessory, cordsets and adapter

AMPROBE.

Model No. Mfg. No. Description Price/Each
HD909 AT-204 Cable Tracing System 1933.00

YELLOW 77® WIRE PULLING LUBRICANT

- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Clings to cable through long pulls
- Environmentally safe - non-toxic, non-flammable, non-corrosive
- Dries to a thin, non-conductive film that won’t clog conduit

VOLTALERT™ VOLTAGE DETECTOR

- Small, rugged and reliable, the VoltAlert™ is designed for ease of use – if the tip glows red and the unit beeps when touching a terminal strip, outlet, or cord, there is voltage
- IA156 continually tests its battery and its circuit integrity with a periodic double flash visual indication using Fluke Voltbeat™ technology
- Voltage detection of 90 to 1000 VAC, as well as a 24 to 90 VAC control circuit model
- Cat. IV – 1000 V overvoltage category rating for added user protection
- Covered by a two-year warranty

WA609 1 pkg. 19.50

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ELECTRICAL DEVICES & ACCESSORIES

**ELECTRICAL TAPE**
- Vinyl plastic
- Excellent recovery, molds snugly to any surface
- Ideal for electrical splicing and insulation; protection against solvents and corrosion
- For use between -7°C and 80°C
- Thickness: 7 mils
- CSA approved

**TEMFLEXTM ELECTRICAL TAPE**
- General purpose, flexible vinyl tape designed for indoor or short term use and bundling
- Temperature rating: 170°F/80°C
- Colour: Black
- Thickness: 7 mil
- UL and CSA approved

**SCOTCH® SUPER 88 VINYL TAPE**
- All weather, premium grade vinyl tape for primary insulation up to 600 V or protective jacketing for low/medium voltage cable splices
- Aggressive adhesive and elastic backing ensures easy conformity to irregular surfaces for moisture tight electrical and mechanical protection
- Will perform in a continuous temperature environment up to 220°F (105°C)
- Conformable for cold weather applications: 0°F (-18°C)
- Thickness: 7 mil
- Colour: Black
- UL and CSA approved

**SCOTCH® 35 COLOUR CODING VINYL TAPE**
- Premium grade vinyl electrical colour-coding tape for phase and job identification and safety
- Heavy-duty, premium grade
- Temperature rating: 220°F/105°C
- Thickness: 7 mil
- UL and CSA approved

**SCOTCH® 130C LINERLESS RUBBER SPICING TAPE**
- Highly conformable, linerless self-bonding ethylene propylene rubber (EPR) tape for insulating all solid dielectric cables up to 69 kV
- Excellent thermal dissipation of splice heat
- Meets industry specifications, excellent physical and electrical properties
- Immediate moisture sealing and void-free buildsups
- Rated up to 194°F (90°C) continuous operation and up to 266°F (130°C) short-term overload service
- Having no liner makes jobs easier and saves time
- Thickness: 30 mils

**COLOURFLEXTM TAPE**
- General purpose colour coding vinyl tape
- Thickness: 7 mils

---

**MODEL NO.**
**DIMENSIONS**
**ROLLS/CASE**
**PRICE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour</th>
<th>Dimensions</th>
<th>Roll/Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE090</td>
<td>Black</td>
<td>3/4” x 60” (19 mm x 18 m)</td>
<td>100</td>
<td>0.95</td>
</tr>
<tr>
<td>XC545</td>
<td>Red</td>
<td>3/4” x 66” (19 mm x 20.1 m)</td>
<td>100</td>
<td>1.65</td>
</tr>
<tr>
<td>XC546</td>
<td>Green</td>
<td>3/4” x 66” (19 mm x 20.1 m)</td>
<td>100</td>
<td>1.65</td>
</tr>
<tr>
<td>XC547</td>
<td>Blue</td>
<td>3/4” x 66” (19 mm x 20.1 m)</td>
<td>100</td>
<td>1.65</td>
</tr>
<tr>
<td>XC548</td>
<td>White</td>
<td>3/4” x 66” (19 mm x 20.1 m)</td>
<td>100</td>
<td>1.65</td>
</tr>
<tr>
<td>XC549</td>
<td>Yellow</td>
<td>3/4” x 66” (19 mm x 20.1 m)</td>
<td>100</td>
<td>1.65</td>
</tr>
</tbody>
</table>

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**MODEL NO.**
**DIMENSIONS**
**ROLLS/CASE**
**PRICE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour</th>
<th>Dimensions</th>
<th>Roll/Cases</th>
<th>Price</th>
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<tbody>
<tr>
<td>PC690</td>
<td>Blue</td>
<td>3/4” x 60” (19 mm x 20.1 m)</td>
<td>100</td>
<td>8.06</td>
</tr>
<tr>
<td>PC720</td>
<td>Green</td>
<td>1/2” x 20”</td>
<td>100</td>
<td>2.73</td>
</tr>
<tr>
<td>PC721</td>
<td>Red</td>
<td>1/2” x 20”</td>
<td>100</td>
<td>3.00</td>
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<tr>
<td>PC722</td>
<td>White</td>
<td>1/2” x 20”</td>
<td>100</td>
<td>3.00</td>
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<tr>
<td>PC723</td>
<td>Yellow</td>
<td>1/2” x 20”</td>
<td>100</td>
<td>3.00</td>
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<tr>
<td>XC309</td>
<td>Orange</td>
<td>1/2” x 20”</td>
<td>100</td>
<td>3.00</td>
</tr>
<tr>
<td>PE118</td>
<td>Blue</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
</tr>
<tr>
<td>PE120</td>
<td>Green</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
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<tr>
<td>XC312</td>
<td>Red</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
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<tr>
<td>PE119</td>
<td>White</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
</tr>
<tr>
<td>XC314</td>
<td>Yellow</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
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<td>XC315</td>
<td>Orange</td>
<td>3/4” x 66”</td>
<td>100</td>
<td>8.19</td>
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</tbody>
</table>

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**MODEL NO.**
**DIMENSIONS**
**ROLLS/CASE**
**PRICE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour</th>
<th>Dimensions</th>
<th>Roll/Cases</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>XC323</td>
<td>Blue</td>
<td>1” x 30”</td>
<td>24</td>
<td>25.59</td>
</tr>
<tr>
<td>XC324</td>
<td>Green</td>
<td>1” x 30”</td>
<td>24</td>
<td>25.59</td>
</tr>
<tr>
<td>XC325</td>
<td>Red</td>
<td>1” x 30”</td>
<td>24</td>
<td>25.59</td>
</tr>
<tr>
<td>XC326</td>
<td>White</td>
<td>1” x 30”</td>
<td>24</td>
<td>25.59</td>
</tr>
<tr>
<td>XC327</td>
<td>Yellow</td>
<td>1” x 30”</td>
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<tr>
<td>XC328</td>
<td>Orange</td>
<td>1” x 30”</td>
<td>24</td>
<td>25.59</td>
</tr>
</tbody>
</table>

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**MODEL NO.**
**DIMENSIONS**
**ROLLS/CASE**
**PRICE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour</th>
<th>Dimensions</th>
<th>Roll/Cases</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>XC316</td>
<td>Blue</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
<tr>
<td>XC317</td>
<td>Green</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
<tr>
<td>XC318</td>
<td>Red</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
<tr>
<td>XC319</td>
<td>White</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
<tr>
<td>XC320</td>
<td>Yellow</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
<tr>
<td>XC321</td>
<td>Orange</td>
<td>3/4” x 60”</td>
<td>100</td>
<td>1.39</td>
</tr>
</tbody>
</table>
INDUSTRIAL SPECIFICATION GRADE LOCKING PLUGS & CONNECTORS

Leviton combines the best materials available with superior production standards to produce a broad selection of Locking Devices of unmatched flexibility and dependability.

• Uncompromising industrial-grade quality for superior performance and long service life.
• All industrial locking devices feature heavy-duty, impact-resistant construction.
• Plugs and connectors accept wide range of conductors.
• Terminals clearly identified on all devices to speed and simplify wiring.
• Backed by a limited 10-year warranty.
• Certified for sale in Canada by an accredited certification body.

15 A 125 V 2-POLE 3-WIRE GROUNDING

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XA872</td>
<td>24W47</td>
<td>Wetguard Locking Plug, High Visibility Yellow EPTR Body</td>
<td>L1-15R</td>
<td>0.240 - 0.655</td>
<td>12-18</td>
<td>27.50</td>
</tr>
<tr>
<td>XA873</td>
<td>25W47</td>
<td>Wetguard Locking Connector, High Visibility Yellow EPTR Body</td>
<td>L1-15P</td>
<td>0.240 - 0.655</td>
<td>12-18</td>
<td>40.00</td>
</tr>
</tbody>
</table>

15 A 125 V 2-POLE 3-WIRE GROUNDING

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XC172</td>
<td>6720-C</td>
<td>Black and White Locking Plug</td>
<td>L1-15R</td>
<td>0.245 - 0.700</td>
<td>10-18</td>
<td>23.40</td>
</tr>
<tr>
<td>XC173</td>
<td>6219-C</td>
<td>Black and White Locking Connector</td>
<td>L1-15P</td>
<td>0.245 - 0.700</td>
<td>10-18</td>
<td>32.30</td>
</tr>
</tbody>
</table>

PVC GROUNDING PLUG

• Moisture and chemical resistant plastic body.
• Ideal for indoor and outdoor use.
• 15 A, 125 V.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Nema Configuration</th>
<th>Colour</th>
<th>Wire Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE672</td>
<td>PVC Grounding Plug</td>
<td>5-15P</td>
<td>Yellow</td>
<td>16/3 to 14/3 cords</td>
</tr>
<tr>
<td>XE673</td>
<td>PVC Grounding Connector</td>
<td>5-15R</td>
<td>Yellow</td>
<td>16/3 to 14/3 cords</td>
</tr>
</tbody>
</table>

COMMERCIAL GRADE STRAIGHT BLADE PLUGS

Commercial Specification Grade Straight Blade Plugs and Connectors are rugged performers. They are moisture, chemical and abuse-resistant. And they’re ideal for indoor and outdoor use. All of these features and benefits are common to 15 A and 20 A Commercial Specification Grade Plugs and Connectors. TPE rubber-backed plugs and connectors stand up to rough use and protect against dirt and moisture. Deep-slotted, backed-out terminal screws draw backwire clamps securely over stripped leads for maximum conductivity.

15 A 125 V 2-POLE 3-WIRE GROUNDING

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XA778</td>
<td>S15PV</td>
<td>PVC Grounding Plug</td>
<td>5-15P</td>
<td>0.245 - 0.655</td>
<td>No. 18-3 thru 12-3 cords</td>
<td>3.45</td>
</tr>
<tr>
<td>XA779</td>
<td>S15CV</td>
<td>PVC Grounding Connector</td>
<td>5-15R</td>
<td>0.245 - 0.655</td>
<td>No. 18-3 thru 12-3 cords</td>
<td>6.20</td>
</tr>
</tbody>
</table>

15 A 125 V STRAIGHT BLADE PLUGS & CONNECTORS, 2-POLE, 3-WIRE GROUNDING

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XA780</td>
<td>W47</td>
<td>Wetguard, High Visibility</td>
<td>3/4&quot;</td>
<td>12-3</td>
<td>3.30</td>
</tr>
<tr>
<td>XA775</td>
<td>S256-VY</td>
<td>Python, High Visibility</td>
<td>1/2&quot;</td>
<td>12-3</td>
<td>11.30</td>
</tr>
<tr>
<td>XA777</td>
<td>S256-VA</td>
<td>Python Angle, High Visibility</td>
<td>1&quot;</td>
<td>12-3</td>
<td>14.70</td>
</tr>
</tbody>
</table>

<table>
<thead>
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<th></th>
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<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XA781</td>
<td>15W47</td>
<td>Wetguard, High Visibility</td>
<td>3/4&quot;</td>
<td>12-3</td>
<td>4.50</td>
</tr>
<tr>
<td>XA776</td>
<td>S259-VY</td>
<td>Python Angle, High Visibility</td>
<td>1&quot;</td>
<td>12-3</td>
<td>16.30</td>
</tr>
</tbody>
</table>

CORROSION RESISTANT DEVICES

Corrosion resistant devices are specifically designed for extremely damp and corrosive environments. They offer additional corrosive resistance because the metal parts (blades, contacts, terminals and screws) are nickel-plated. They have also passed the ASTM (B117-13) 500 hour Salt Spray (Fog) Test.

• Cord clamp seats flush with body for all cable sizes from 10-3 ST to 18-3 STV (0.245”-0.700”), providing positive strain relief while preventing damage to cable jacket.
• Captive, brass #6 terminal screws are colour coded for easy wiring identification: green (ground), brass (hot) and silver (neutral).

15 A 125 V 2-POLE 3-WIRE GROUNDING STRAIGHT BLADE

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Nema Configuration</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA844</td>
<td>52CM-46C</td>
<td>Straight Blade Plug, Yellow Nylon Body and Cord Clamp</td>
<td>S-15P</td>
<td>25.20</td>
</tr>
<tr>
<td>XA849</td>
<td>52CM-45C</td>
<td>Straight Blade Connector, Yellow Nylon Body and Cord Clamp</td>
<td>S-15R</td>
<td>39.10</td>
</tr>
</tbody>
</table>
EMERGENCY LIGHTS

STELLA EXIT SIGNS

- C60 approved
- Features 120/347 VAC dual input (hardwire) and universal DC 6-24 VDC or self-powered
- Uses 2 W LED board
- Long-life LED light source
- Knockout chevrons
- 20-gauge steel construction with baked powder coat white paint finish
- Pre-stamped universal mounting and keyhole slots on backplate

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Dimensions</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB930</td>
<td>SLS-SP-L-U-M-M</td>
<td>Exit</td>
<td>12 x 2.25 x 7.5</td>
<td>86.30</td>
</tr>
<tr>
<td>XB933</td>
<td>SLS-L-R-U-M-UDC</td>
<td>Sortie</td>
<td>18.5 x 2.25 x 7.5</td>
<td>132.00</td>
</tr>
</tbody>
</table>

STELLA RUNNING MAN EXIT SIGNS

- Feature 120/347 VAC dual input (hardwire), universal DC, 6-24 VDC or self-powered
- Running Man sign uses a 2 watt LED source
- Universal LED light source
- Universal pictograms included showing left indicators, right indicators and no indicators
- 20-gauge steel construction with white baked powder coat paint finish
- Pre-stamped universal mounting and keyhole slots on backplate

| Model No. X661 | Mfg. No. SLS-RM-L-U-0LR-M (AC) | Price/Each $124.00 |
| Model No. X662 | Mfg. No. SLS-RM-SP-L-U-0LR-M (Self-powered) | Price/Each $135.00 |
| Model No. X663 | Mfg. No. SLS-RM-L-U-0LR-M-UDC (6-24 VDC) | Price/Each $124.00 |

TEMPESTA™ LED EMERGENCY LUMINAIRES

- Uses two LED modules that are wired in parallel
- Will only illuminate during a power failure
- LEDs are rated for 100,000 hours at L70
- Input Voltage: 120 - 347 V
- Wattage: 17 W
- High quality corrosion, flame and vandal resistant polycarbonate housing
- Comes standard with a Ni-MH battery pack that provides a minimum of 30 minutes of emergency lighting
- IP66 Rating

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Dimensions</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>E857</td>
<td>TA-L7320-347V-S</td>
<td>Surface Mounted</td>
<td>17 x 6 1/2 x 3 1/2</td>
<td>389.00</td>
</tr>
<tr>
<td>E857</td>
<td>TA-L7320-347R-R</td>
<td>Recessed</td>
<td>19 1/4 x 9 1/2 x 3 1/2</td>
<td>507.00</td>
</tr>
<tr>
<td>E857</td>
<td>TA-L7320-347R-B</td>
<td>T-Bar Mount</td>
<td>23 3/4 x 7 1/2 x 4</td>
<td>507.00</td>
</tr>
</tbody>
</table>

STELLA COMBINATION SIGNS

- C60 approved
- LED EXIT and SORTIE models 120/347 VAC dual input (hard wire)
- Push button test switch
- Self-powered for minimum 30 minutes - 6 VDC 36 W
- Solid state transfer charger
- Dual diagnostic LEDs indicate AC-ON and CHARGE
- Brownout and low voltage protection
- Two top mounted high impact thermoplastic PAR18 9 W tungsten heads
- Knockout chevrons
- 20-gauge steel construction with baked powder coat white paint finish

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB929</td>
<td>SLE-6-36-L-R-U-M-2SR/9W</td>
<td>Exit</td>
<td>$179.00</td>
</tr>
<tr>
<td>XB930</td>
<td>SLS-6-36-L-R-U-M-2SR/9W</td>
<td>Sortie</td>
<td>$178.00</td>
</tr>
</tbody>
</table>

STELLA RUNNING MAN COMBO EXIT SIGNS

- Running Man models are supplied with 120/347 VAC dual input (hardwire)
- Push button test switch
- Self-powered for minimum 30 minutes – 6 V DC 36 W
- Solid state transfer charger
- Dual diagnostic LEDs indicate AC-ON and CHARGE
- Brownout and low voltage protection
- Two top mounted high impact thermoplastic PAR18 9-watt tungsten heads
- Universal pictograms included showing left indicators, right indicators and no indicators
- 20-gauge steel construction with white baked powder coat paint finish
- Certified for sale in Canada by an accredited certification body

| Model No. | Mfg. No. SLS-6-36-L-U-0LR-M-2SR/9W | Price/Each $202.00 |

ILLUMINA® BS100 SERIES

- Lightweight, durable 100% corrosion, flame and vandal resistant polycarbonate construction
- Designed to be resilient, highly efficient and easy to install
- For ceiling, wall, suspension and pendant installations
- UV stabilized to reduce the yellowing index
- Liquid silicone memory retention gasket allows for installations in wet locations
- Incorporates a “dual concave” parabolic high-output, metallized reflector
- Also approved for through wiring application

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Volts</th>
<th>Price/Each</th>
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</thead>
<tbody>
<tr>
<td>E841</td>
<td>BS0048RT22C2AC122W</td>
<td>120</td>
<td>$132.00</td>
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<tr>
<td>E842</td>
<td>BS0048RT22C2AC347V</td>
<td>347</td>
<td>$150.00</td>
</tr>
</tbody>
</table>
Three batteries required

NOVA EMERGENCY LIGHTING UNITS

- 120/277/347 VAC input
- Push button test switch
- Dual diagnostic LEDs indicate AC-ON and CHARGE
- Solid-state transfer charger
- Brownout and low voltage protection
- Two top mounted high impact thermoplastic PAR8 9 W tungsten heads
- 20-gauge steel construction with baked powder coat white paint finish
- Pre-stamped universal mounting and keyhole slots
- Output 6 VDC or 12 VDC at rated wattage for 30 minutes
- Batteries included

NEMA12 EMERGENCY LIGHTING UNITS

- NEMA12 rated – water and dust tight units
- 120/277/347 VAC input
- Push button test switch
- Dual diagnostic LEDs indicate AC-ON and CHARGE
- Solid-state transfer charger
- Brownout and low voltage protection
- Two top mounted, high impact thermoplastic PAR8 9 W weatherproof heads
- 20-gauge steel housing in industrial grey fiberglass finish
- Pre-stamped mounting holes
- Output 6 V or 12 VDC at rated wattage for 30 minutes
- Batteries included

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Replacement Batteries</th>
<th>Voltage Output 1/2 hr.</th>
<th>Watts Output 1 hr.</th>
<th>1 1/2 hr.</th>
<th>2 hr.</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA190</td>
<td>BA-6</td>
<td>6 VDC</td>
<td>12</td>
<td>12</td>
<td>9</td>
<td>138.00</td>
<td></td>
</tr>
<tr>
<td>XA438</td>
<td>BA-6</td>
<td>6 VDC</td>
<td>12</td>
<td>12</td>
<td>9</td>
<td>138.00</td>
<td></td>
</tr>
<tr>
<td>XA439</td>
<td>BA-6</td>
<td>6 VDC</td>
<td>12</td>
<td>12</td>
<td>9</td>
<td>138.00</td>
<td></td>
</tr>
<tr>
<td>XA440</td>
<td>LDT-633</td>
<td>6 VDC</td>
<td>12</td>
<td>12</td>
<td>9</td>
<td>138.00</td>
<td></td>
</tr>
<tr>
<td>XA441</td>
<td>LDT-633</td>
<td>6 VDC</td>
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* Two batteries required
** Three batteries required

SEPARATED BULBS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
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<tbody>
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<td>XB922</td>
<td>BA-6</td>
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</table>

* Two batteries required

SEPARATED BATTERIES

<table>
<thead>
<tr>
<th>Model No.</th>
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<td>XB338</td>
<td>BA-6</td>
<td>6 W Tungsten</td>
<td>1.90</td>
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</tbody>
</table>

* Two batteries required

PACKAGING

INSTRUMENTS, SCALES & ELECTRICAL

OFFICE PRODUCTS

SHIPPING & PACKAGING

TOOLS & EQUIPMENT

WELDING & METALWORKING

SAFETY EQUIPMENT & SUPPLIES

JANITORIAL & MAINTENANCE

MATERIAL HANDLING & STORAGE

EMERGENCY LIGHTS

MAINTAIN THE IDEAL TEMPERATURE IN YOUR WORKPLACE.
FLASHLIGHTS & BATTERIES

ENERGIZER® BATTERIES

ALKALINE BATTERIES

- ULTRA PRO™ ALKALINE
  - Industrial Batteries
    - Redesigned container helps organize and protect batteries from damage
    - 10-year power guarantee in storage
    - Voltage: 1.5 V

- GARAGE DOOR
  - SILVER OXIDE
    - XC001
  - LITHIUM
    - XC002
  - NIMH RECHARGEABLE
    - XC003

ENERGIZER

- Garage
  - Silver Oxide
    - XB992
  - Lithium
    - XC004
  - NIMH Rechargeable
    - XC005

ENERGIZER® BATTERIES

- NIMH RECHARGEABLE
  - Model No.
    - XC006
  - Battery Type
    - AA
  - Price
    - $2.9

- BATTERY CHARGERS

- Analogue Battery Tester
  - Compatible with the majority of standard household batteries
  - Analog scale displays the capacity of the battery instantly (Replace, Low, Good)
  - No batteries required to operate
  - Battery Type(s): AAA, AA, C, D, 9V
  - Voltage: 1.5 V
  - Price: $9.50

- Model No.
  - XF613

- Batteries
  - Model No.
    - XB872
  - Battery Type
    - AA
  - Price
    - $9.50

- Model No.
  - XE457

- GARAGE DOOR
  - Model No.
    - XB995
  - Voltage
    - 12 V
  - Price
    - $3.49

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Qty</th>
<th>Price /Pkg.</th>
<th>Price /Package</th>
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<tbody>
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<td>XB872</td>
<td>EN02</td>
<td>AAA/1.5 V</td>
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<td>XB873</td>
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<td>XC001</td>
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<td>XC007</td>
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<td>XC008</td>
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<td>XC009</td>
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<td>XC010</td>
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<tr>
<th>Model No.</th>
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<th>Description</th>
<th>Qty</th>
<th>Price /Pkg.</th>
<th>Price /Package</th>
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<tbody>
<tr>
<td>XE457</td>
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<td>Overnight, Compact Charger</td>
<td>1</td>
<td>32.90</td>
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</tr>
<tr>
<td>XE458</td>
<td>CHV0WB2</td>
<td>Basic Charger</td>
<td>1</td>
<td>18.90</td>
<td></td>
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</table>

<table>
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<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Charge Time</th>
<th>Price /Each</th>
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<tbody>
<tr>
<td>XE457</td>
<td>CHV0WB4</td>
<td>Overnight, Compact Charger</td>
<td>2 or 4 AA - 3 hours</td>
<td>32.90</td>
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<tr>
<td>XE458</td>
<td>CHV0WB2</td>
<td>Basic Charger</td>
<td>2 or 4 AA - 3 hours</td>
<td>18.90</td>
</tr>
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BATTERY CHARGERS

- Model No.
  - XG845

- Model No.
  - XG844

- Model No.
  - XD021

- Model No.
  - XF613

INSTRUMENTS, SCALES & ELECTRICAL

METALWORKING & WELDING

- Model No.
  - XD021

- Model No.
  - XF613

<table>
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<tr>
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<td>18.90</td>
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</table>
MAGLITE® MINI

MINI MAGLITE® AA-CELL
- High-strength aluminum alloy case
- 1/2 turn, twist focus, spot-to-flood
- Candle mode for convenient hands free light
- Spare lamp safely secured in the tail cap
- O-ring sealed for water resistance
- Super-bright Xenon Lamp™
- Includes 2 AA alkaline batteries in all package types

MINI MAGLITE® AAA-CELL
- High-strength aluminum alloy case
- Twist focus, spot-to-flood
- Spare lamp safely secured in the tail cap
- O-ring sealed for water resistance
- XD004: 87 lumens LED, 116 m beam distance
- Includes: Pocket clip and 2 AAA alkaline batteries

SOLITAIRE® AAA-CELL
- High-strength aluminum alloy case
- Less than 1 oz. and about 3” in length
- Spare lamp safely secured in the tail cap
- XD003: 37 lumens LED, 55 m beam distance
- Includes: 1 AAA alkaline battery and key lead lanyard

Model | No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XA387 | Blister Pack | 14 | 20.90
XA387 | Presentation Box | 14 | 17.90
XA679 | Holster Pack | 14 | 17.30
XA679 | Combo Pack | 14 | 23.50

MINI MAGLITE® AAA-CELL & MINI MAGLITE® LED

Model | No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XA680 | Blister Pack | 9 | 17.20
XD004 | LED Black, Blister Pack | 87 | 27.50
XA388 | Presentation Box | 9 | 18.10

SOLITAIRE® & SOLITAIRE® LED

Model | No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XA681 | Black, Blister Pack | 2 | 10.80
XD003 | LED Black, Blister Pack | 37 | 23.20
XA389 | Black Presentation Box | 2 | 11.40
XA683 | Blue Presentation Box | 2 | 11.50

REPLACEMENT BULBS

Model | No. | Description | Price /Each
--- | --- | --- | ---
XJ701 | Solitaire® Replacement Bulb | - | 3.52

BATTERIES

Model | No. | Description | Price /Each
--- | --- | --- | ---
XB872 | Replacement Batteries, AA, 24/pk. | - | 16.60
XB873 | Replacement Batteries, AAA, 24/pk. | - | 18.96

MAGLITE® D-CELL

- Cam driven beam changes from flood to spot with a turn of the head
- Anodized aircraft aluminum with knurled grip enhances conductivity, increases durability
- reduces oxidation and battery damage
- White Star krypton lamp provides 70% more light than a standard PR2 lamp
- Spare krypton lamp included in tail cap
- Rubber O-rings ensure resistance to water and shock
- Batteries not included

Model | No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XA384 | 2D-Cell Flashlight | 27 | 42.10
XA385 | 3D-Cell Flashlight | 45 | 43.70
XA386 | 4D-Cell Flashlight | 98 | 45.20

REPLACEMENT BULBS

Model | No. | Description | Price /Each
--- | --- | --- | ---
XC955 | Bi-Pin Xeon Bulb for 2 Cell | - | 5.63
XC956 | Bi-Pin Xeon Bulb for 3 Cell | - | 5.63
XC940 | Bi-Pin Xeon Bulb for 4 Cell | - | 5.63

BATTERIES

Model | No. | Description | Price /Each
--- | --- | --- | ---
XB875 | Replacement D-Cell Batteries, 12/Pkg. | - | 27.96

MAGLITE® FLASHLIGHT ACCESSORIES

Model | No. | Description | Price /Each
--- | --- | --- | ---
XC386 | Belt Holster, Black Leather for 2 AA-Cell | 41.00
XC385 | Belt Holster, Blue Nylon for 2 AA-Cell | 6.31
XC386 | Belt Holster, Camouflage Nylon for 2 AA-Cell | 6.41
XC347 | Belt Holster for D-Cell | 10.90
XC345 | Rubber Anti-Roll Device/Lens Holder; Red, Clear and Blue Lenses, 2/D-Cell Mounting Brackets for D-Cell | 15.10
XC344 | Belt Holster, Black Leather for 2 AA-Cell | 10.90
XC343 | Belt Holster, Black Leather for 2 AA-Cell | 15.10
XC342 | Belt Holster, Black Leather for 2 AA-Cell | 20.00

TRAFFIC WAND KITS W/REFLECTIVE TAPE

Model | No. | Description | Price /Each
--- | --- | --- | ---
XC081 | Red, Blue and Clear Lenses; Anti-Roll Device/Lens Holder; Wrist Lanyard, Pocket Clip for 2 AA-Cell | 7.06

XM082 | Red, for C-Cell and D-Cell only | 13.90
XC083 | Yellow, for C-Cell and D-Cell only | 13.90
XC084 | White, for C-Cell and D-Cell only | 13.90
**MAGLITE® LED 2-CELL D FLASHLIGHTS**

- Balanced Optics™ combines a highly refined reflector with a performance enhanced LED, for a brilliant adjustable beam.
- Intelligent Energy Source Management balances high brightness with extended battery life.
- Powerful projecting LED beam that focuses spot to flood simply by rotating the head.
- Rugged, machined aluminum construction with knurled design.
- Anodized inside and out for improved corrosion resistance.
- Water and shock resistant.
- Batteries not included.
- Beam Distance: 412 m

**MAGLITE® XL200™ LED FLASHLIGHTS**

The XL200™ offers five basic, easy to use functions and advanced features and brightness of a next generation LED. The simple “Quick-Click” method lets the user select the desired function with motion-controlled variable power level and blink rate.

**FEATURES:**
- 138 m powerful projecting LED beam
- 172 lumens
- “Spot-to-Flood” adjustable LED beam
- Push button tail-cap switch
- Compact, pocket size design
- Anodized for corrosion resistance and durability
- Rugged, machined aluminum body
- Intelligent Energy Source Management - continuously monitors the balance between high brightness and efficient power usage allowing for prolonged battery life

**SPECIFICATIONS:**
- Length: 4.8” (121.92 mm)
- Barrel diameter: 1” (25.4 mm)
- Head diameter: 1” (25.4 mm)
- Weight with batteries: 3.68 oz. (104 g)

**BELT HOLSTERS FOR XL SERIES™ FLASHLIGHTS**

- Rugged woven ballistic nylon
- Weather-resistant lock-stitched thread
- Click-adjustable rotating belt clip
- Accepts belts up to 5 3/8” wide
- Flashlight can be aimed while holstered
- Allows hands-free operation

**MAGLITE® XL50™ LED FLASHLIGHTS**

Delivers user-friendly, performance-oriented features in a sleek, tactical design and is driven by the next generation of Mag-LED® technology.

**FEATURES:**
- 213 m powerful projecting LED beam
- 200 lumens
- “Spot-to-Flood” adjustable LED beam
- Push button tail-cap switch
- Compact, pocket size design
- Anodized for corrosion resistance and durability
- Rugged, machined aluminum body
- Balanced Optics™ combines a highly refined reflector with a performance enhanced LED, for a brilliant adjustable beam

**SPECIFICATIONS:**
- Length: 4.8” (121.92 mm)
- Barrel diameter: 1” (25.4 mm)
- Head diameter: 1” (25.4 mm)
- Weight with batteries: 3.68 oz. (104 g)
MAG-Charger® LED System Flashlights
• High-tech metallic reflector, combined with a tempered glass lens that delivers superior optical performance
• Durable sleek black finish, hard-anodized inside and out for improved durability
• O-ring sealed throughout for resistance to weather and harsh environmental conditions
• Precision machined high-strength aluminum alloy case
• Individual serial numbered for identification
• NiMH rechargeable battery offers 434 m powerful projecting LED adjustable beam
• 643 lumens lasting 17 hours at low setting or 4 hours at high setting
• Quick access to your preferred functions: Full power, Power save (25%)
• Strobe (5/sec), SOS (Int'l Morse code), Momentary On/Off
• Length: 12 1/2”
• Weight: 2 lbs.

XD007 System (V4) Includes:
Mag Charger® Flashlight, charging cradle, NiMH rechargeable battery pack, two mounting brackets, 120 V converter, mobile power adapter (12 V)

MAG-TACT™ LED Crown Bezel Tactical Flashlights
• Three functions with tail cap switch ”Quick Click” access
• Features three modes: Momentary, Full Power, Power Save
• Two power levels (Full Power for extreme brightness and Power Save for prolonged battery life)
• Momentary mode (in which the light stays on only while the switch button is being pressed)
• Detachable pocket clip
• 310 lumens
• 182-m projecting beam
• Plain bezel head
• Powered by two CR123 lithium batteries included
• Length: 5.19” (131.95 mm)

Barrel diameter: 1.050” (26.67 mm)
Head diameter: 1.050” (26.67 mm)
Weight with batteries: 4.8 oz. (136 g)

MAG-TACT™ LED Tactical Flashlights
• Three functions with tailcap switch “Quick Click” access
• Features three modes: Momentary, Full Power, Power Save
• Two power levels (Full Power for extreme brightness and Power Save for prolonged battery life)
• Momentary mode (in which the light stays on only while the switch button is being pressed)
• Detachable pocket clip
• 310 lumens
• 182-m projecting beam
• Plain bezel head
• Powered by two CR123 lithium batteries included
• Length: 5.19” (131.95 mm)

Barrel diameter: 1.050” (26.67 mm)
Head diameter: 1.050” (26.67 mm)
Weight with batteries: 4.8 oz. (136 g)
FLASHLIGHTS & BATTERIES

PROTAC® PROFESSIONAL TACTICAL LIGHTS

- 6000 Series machined aircraft aluminum with anodized finish
- Super bright C4® LED is impervious to shock and has a 50,000 hour lifetime
- LED solid state power regulation provides maximum output throughout battery life
- IPX7 rated design; waterproof to 1 m for 30 minutes
- Ten-Tap™ programmable switch allows selection of one of three programs: High/Strobe/Low, High only or Low/High
- Includes batteries and holster

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Run Time hrs.</th>
<th>Battery</th>
<th>Price/Each</th>
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<tbody>
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<td>XC770</td>
<td>88303</td>
<td>Protac® 1 L</td>
<td>160</td>
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<td>XC771</td>
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<td>Protac® 2 L</td>
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<td>81.50</td>
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PROTAC® HL & HL3 TACTICAL FLASHLIGHTS

- Hand-held, lithium battery-powered programmable flashlight constructed of anodized machined aircraft aluminum
- IPX7: waterproof to 1 meter for 30 minutes
- Impact resistant to 1 meter
- Multi-function, push-button tail switch for one-handed operation
- Choice of three operating modes: 1) high/strobe/low (factory default), 2) high only, 3) low/high
- Lamp Type: C4® LED
- Model XC954: includes two 3 V CR123A lithium batteries and nylon holster
- Model XD783: includes three 3 V CR123A lithium batteries, removable pocket clip and nylon holster

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Run Time hrs.</th>
<th>Battery</th>
<th>Price/Each</th>
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<tr>
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<td>88400</td>
<td>Protac® HL</td>
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<td>XD783</td>
<td>88407</td>
<td>Protac® HL3</td>
<td>1100</td>
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<td>3 V Lithium</td>
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</tbody>
</table>

STREAMLIGHT JR.® LED FLASHLIGHTS

- Super bright C4® LED is impervious to shock and provides up to 85 lumens
- Push-button tail switch - steady on and momentary on/off operation
- Impact-resistant/water-resistant
- XC247 includes holster
- XC248 includes extension cable that allows for 14” of reach, flexible cable protected by a durable PVC coating, packaged with magnetic clip holder for mounting and positioning
- XC248: Beam Distance: 77 m
- Includes 2 AA size alkaline batteries (also accepts 2 AA lithium batteries not included)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Run Time hrs.</th>
<th>Battery</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC247</td>
<td>71500</td>
<td>Streamlight Jr. LED w/Alkaline Batteries, Black</td>
<td>85</td>
<td>4</td>
<td>4.5 V Lithium</td>
<td>52.50</td>
</tr>
<tr>
<td>XC248</td>
<td>71600</td>
<td>Streamlight Jr. Reach® LED Flashlight</td>
<td>140</td>
<td>4.5</td>
<td>4.5 V Lithium</td>
<td>65.90</td>
</tr>
</tbody>
</table>

BATTERIES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Run Time hrs.</th>
<th>Battery</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB622</td>
<td>EN91</td>
<td>Replacement Batteries, AA Cell, 24/pk</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>16.80/Pkg</td>
</tr>
</tbody>
</table>

STYLIST® PENLIGHTS

- High intensity LED lasts 100,000 hours
- Up to 24 hours of continuous run time
- XB942 has a flexible cable making it possible to see anywhere
- Includes 3 AAA alkaline batteries
- Black casing with pocket clip

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB943</td>
<td>65118</td>
<td>Stylist® Penlight, 3.5 oz.</td>
<td>11</td>
<td>22.90</td>
</tr>
<tr>
<td>XB942</td>
<td>65168</td>
<td>Stylist® Reach® Penlight - 7” Cable, 3.5 oz.</td>
<td>11</td>
<td>30.90</td>
</tr>
</tbody>
</table>

STYLIST PRO® & MICROSTREAM® PENLIGHTS

- compact, high-powered LED penlights provide a super bright beam
- Constructed of corrosion proof, machined aircraft-grade aluminum alloy with Type II MIL-Spec anodized plating
- 30,000 hour lifetime 0.5 watt LED never needs to be replaced
- Water resistant per code IPX6; in accordance with specification EN 60529:1992
- Tail switch features momentary blink and constant “on” modes
- Matte black finish

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC934</td>
<td>66318</td>
<td>Stylist® Penlight, 3.5 oz.</td>
<td>11</td>
<td>22.90</td>
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<tr>
<td>XC935</td>
<td>66318</td>
<td>Stylist® Reach® Penlight - 7” Cable, 3.5 oz.</td>
<td>11</td>
<td>30.90</td>
</tr>
</tbody>
</table>

TWIN-TASK® LED FLASHLIGHTS

- Super bright C4® LED is impervious to shock and has a 50,000 hour lifetime
- Unbreakable polycarbonate lens
- IPX7 rated for water-resistant operation, all openings are O-ring sealed, 1 meter impact resistance tested and wrist lanyard included

TWIN-TASK® 3 AAA LASER LED
- Features: 2 hr 45 min on one LED, 5 hr 15 min on five LEDs
- Battery: 3 AAA size alkaline batteries
- Output: One LED - 100 lumens, five LEDs - 68 lumens
- Pre-focused visible red laser cartridge, laser output: Useable range of over 100 yards when using laser pointer only, over 100’ when in laser/C4® LED combo position

TWIN-TASK® 3 C LED
- Features: Runtime 26 hrs on one LED, 72 hrs on three LEDs and 48 hrs on six LEDs
- Battery: 3 C size alkaline batteries, Output: One LED - 180 lumens, three LEDs - 50 lumens, six LEDs - 80 lumens

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC762</td>
<td>51043</td>
<td>Twin-Task® 3 AAA LED</td>
<td>100</td>
<td>63.50</td>
</tr>
<tr>
<td>XC763</td>
<td>51019</td>
<td>Twin-Task® 3 C LED</td>
<td>180</td>
<td>63.50</td>
</tr>
</tbody>
</table>
FLASHLIGHTS & BATTERIES

STINGER®, STINGER LEDS, POLYSTINGER® & POLYSTINGER® LEDS

- Compact, rechargeable flashlights that are not only durable, but super bright
- Charge time: 10 hours to fully charge, 2.5 hour fast charger model available
- Push button switches on the head for momentary or constant "on-off" switching
- Includes a nickel cadmium battery that is rechargeable up to 1800 times
- Optional accessories: safety wands, 5-unit bank charger, ring holder, holster, PiggyBack® charger, coloured flip lens covers

STINGER®/POLYSTINGER®

- Feature a xenon bulb with an adjustable focus beam that provides 1.25 hour of continuous run time
- Includes a spare bulb in the tail cap
- Stinger® is constructed of aircraft machined aluminum with polycarbonate lens
- Polystinger® is constructed of nylon polymer with non-slip rubber grip

STINGER® LED/POLYSTINGER® LED

- 4 modes of lighting: High, Medium, Low or Strobe
- Features a C4® LED that is impervious to shock and has a 50,000 hour lifetime - never needs to be replaced
- Run times: High beam - Up to 2 continuous hours; Medium - Up to 3.75 continuous hours; Low - 7.25 continuous hours; Strobe - Up to 5.5 continuous hours
- Stinger® LED constructed of aircraft machined aluminum with polycarbonate lens
- Polystinger® LED is constructed of super-tough non-conductive nylon polymer with a non-slip rubber grip

4AA PROPOLYMAX® HIGH-OUTPUT FLASHLIGHTS

- C4® LED technology for extreme brightness
- Impact and chemical resistant engineering polymer resin
- Unbreakable polycarbonate lens with scratch resistant coating
- Smooth parabolic reflector produces a tight beam with optimum peripheral illumination
- TEN-TAP® programmable switch allows user selection of one of three different programs
- Lamp Type: LED
- Lumens (High): 300
- Lumens (Low): 50
- Run Time Hrs. (High): 2.75
- Run Time Hrs. (Low): 24
- Beam Distance: 261 m
- 4 AA batteries included

PROPOLYMER® FLASHLIGHTS

- Waterproof, non-conductive polymer casings
- Easy to use push button momentary or constant "on-off" switching
- XC051 and XC054 feature super bright, 100,000 hour lifetime LEDS
- XC056 and XC477 contain a super high flux LED with a 10,000 hour lifetime
- XC054, XC056 and XC477 include batteries
- XC051 has a spring loaded clip
- XC051 and XC054 are CUL Listed Class I, II, Div. 2, Class III and MSHA approved
- XC477 and XD467 are CUL Listed for Class I, II, Div. 1, Class III and MSHA approved
- XC053 and XC056 are CUL Listed for Class I, II, Div. 2, Class III
- XD304 and XD487, ANSI/UL 913 CAN/CSA C22.2 No. 157-92 intrinsically safe equipment for use in hazardous locations
- XD436: Intrinsic Safety for Haz. Loc. Class I, II, Div. 1, Groups A,B,C,D,E,F,G; Class III, T4A

STINGER LED HL® RECHARGEABLE FLASHLIGHTS

- C4® LED technology for extreme brightness
- Deep-dish parabolic reflector produces a concentrated beam with optimum peripheral illumination
- 1 metre impact resistance tested
- 120 V AC /12 V DC
- EPX4 water-resistant
- Lumens (High): 640
- Lumens (Low): 170
- Run Time Hrs. (High): 1.25
- Run Time Hrs. (Low): 4
- Beam Distance: 297 m
- Comes with 2 holders
- 1 rechargeable battery included

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Approvals</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC396</td>
<td>76014</td>
<td>PolyStinger®</td>
<td>90</td>
<td>UL Class I, II, Div. 2</td>
<td>179.00</td>
</tr>
<tr>
<td>XC397</td>
<td>75713</td>
<td>Stinger® LED</td>
<td>350</td>
<td>-</td>
<td>199.00</td>
</tr>
<tr>
<td>XC480</td>
<td>76552</td>
<td>PolyStinger®</td>
<td>385</td>
<td>-</td>
<td>195.00</td>
</tr>
<tr>
<td>XC398</td>
<td>75914</td>
<td>Bulb, Stinger®/PolyStinger®</td>
<td>-</td>
<td>-</td>
<td>11.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC051</td>
<td>33202</td>
<td>3 C LED, 316 Hours of Continuous Run Time</td>
<td>85</td>
<td>60.50</td>
</tr>
<tr>
<td>XC054*</td>
<td>63202</td>
<td>4 AA LED, 155 Hours of Continuous Run Time</td>
<td>85</td>
<td>42.90</td>
</tr>
<tr>
<td>XC056*</td>
<td>63244</td>
<td>4 AA Lux LED, Div. 2, 4 Hours with 2 Additional Hours of Declining Usable Light</td>
<td>34</td>
<td>58.50</td>
</tr>
<tr>
<td>XD436</td>
<td>62202</td>
<td>3 &quot;N&quot; Size Alkaline, LED, 120 Hours of Continuous Run Time</td>
<td>30</td>
<td>27.90</td>
</tr>
<tr>
<td>XD467*</td>
<td>67018</td>
<td>2 AA LED, HAZ-IIA, 24 Hours of Continuous Run Time</td>
<td>65</td>
<td>32.50</td>
</tr>
<tr>
<td>XD487</td>
<td>68200</td>
<td>3 AA LED, HAZ-IIA, 6.5 Hours of Continuous Run Time</td>
<td>120</td>
<td>70.50</td>
</tr>
<tr>
<td>XD304</td>
<td>33820</td>
<td>3 C LED, HAZ-IIA, 18 Hours of Continuous Run Time</td>
<td>150</td>
<td>75.90</td>
</tr>
</tbody>
</table>

* Batteries included

Model No. | Mfg. No. | Description | Lumens | Price /Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XD1017</td>
<td>75410</td>
<td>Stinger LED HL® Rechargeable Flashlights</td>
<td>229.00</td>
<td></td>
</tr>
</tbody>
</table>
**FLASHLIGHTS & BATTERIES**

### MITYLITE™ 1900
- Made of unbreakable space age hi-impact polycarbonate resin
- 4 9/16" in length
- Xenon lamp module provides 70 lumens of power
- Equipped with a tail clip, making it easy to fit into pockets, purses, tool kits, camera bags or glove compartments
- Submersible with a twist on shroud
- Includes 2 AA alkaline batteries

#### APPROVALS
- CSA: Class I, Div. 2, Groups ABCD, T3C
- IEC Ex: Ex ia IIC T4 IP65 IEC Ex TSA 06.0021X

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB027</td>
<td>1900-015-245</td>
<td>Mitylite™ 1900</td>
<td>7</td>
<td>19.90</td>
</tr>
<tr>
<td>XB018</td>
<td>1900-350-000</td>
<td>Replacement Bulb</td>
<td>-</td>
<td>8.35</td>
</tr>
</tbody>
</table>

### MITYLITE™ 2340
- 6 1/4" in length and equipped with a handy tail button switch
- Made of an unbreakable chemical resistant resin with a polycarbonate lens and thermoplastic rubber shroud
- Includes a pre-focused xenon lamp module, shirt clip and 2 AA-cell Energizer® alkaline batteries
- Non-submersible

#### APPROVALS
- CSA: Class I, Div. 2, Groups ABCD, T3C
- FM: Class I, Div. 2, Groups ABCD, T3A
- MSHA: 10C-637-0 IEC Ex: Ex ia IIC T4 IP65 IEC Ex TSA 06.0021X

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB340</td>
<td>2340-010-110</td>
<td>Black</td>
<td>10</td>
<td>29.90</td>
</tr>
<tr>
<td>XB350</td>
<td>2340-010-245</td>
<td>Yellow</td>
<td>10</td>
<td>29.90</td>
</tr>
<tr>
<td>XB351</td>
<td>2350-350-000</td>
<td>Replacement Bulb</td>
<td>-</td>
<td>10.90</td>
</tr>
</tbody>
</table>

### BATTERIES
- Replacement Batteries, AA-Cell, 24/Pkg.
- Replacement Bulb

---

### 1930 Li™ LED LIGHTS
- Water resistant light provides a concentrated close quarter beam
- Provides up to 50,000 hours of usage
- Four replaceable LR 44 alkaline coin cells (included)
- Offers up to 130 hours of battery life
- Lumens: 12
- Equipped with a neck lanyard and a handy push button on/off switch
- Colour: Black

#### APPROVALS
- UL: Class I, Div. 1 Groups A B C D
- IEC Ex: Ex ia IIC T4 IP65

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD018</td>
<td>033150-0150-110</td>
<td>Black, 3315 Compact LED Flashlight</td>
<td>113</td>
<td>52.90</td>
</tr>
<tr>
<td>XD019</td>
<td>033150-0150-245</td>
<td>Yellow, 3315 Compact LED Flashlight</td>
<td>113</td>
<td>52.90</td>
</tr>
<tr>
<td>XB872</td>
<td>EN91</td>
<td>Replacement Batteries, AA-Cell, 24/Pkg.</td>
<td>-</td>
<td>16.80/Pkg.</td>
</tr>
</tbody>
</table>

### 3315 COMPACT LED FLASHLIGHTS
- Compact, rugged and lightweight
- Constructed of high impact ABS
- 113 lumens, 9 h 45 m runtime
- Powered by three AA alkaline batteries (included)
- Water resistant IPX4
- Class II, III, Div. 1, GP: ABCDEFG T4 Exia

#### APPROVALS
- UL: Class I, Div. 1 Groups A B C D
- IEC Ex: Ex ia IIC T4 IP65

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Price/Each</th>
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<tr>
<td>XD018</td>
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<td>Black, 3315 Compact LED Flashlight</td>
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<tr>
<td>XD019</td>
<td>033150-0150-245</td>
<td>Yellow, 3315 Compact LED Flashlight</td>
<td>113</td>
<td>52.90</td>
</tr>
<tr>
<td>XB872</td>
<td>EN91</td>
<td>Replacement Batteries, AA-Cell, 24/Pkg.</td>
<td>-</td>
<td>16.80/Pkg.</td>
</tr>
</tbody>
</table>

### VB3™ 2220 LED FLASHLIGHTS
- Dual super bright white LEDs
- Lumens: 9
- Run Time Hrs: 34
- Beam Distance: 12 m
- Light turns on when the head is flipped up
- Proves to a full 180°
- Built-in clip attaches to surfaces up to 1/2" thick
- 2 CR2032 3 V Lithium coin cells included
- IPX4 Water resistant

#### APPROVALS
- CSA: Class I Div. 1 Groups A B C D
- Class II Div. 2 Group G
- FM: Class I, Div. 2, Groups ABCD, T3A
- MSHA: 10C-637-0
- IEC Ex: Ex ia IIC T4 IP65 IEC Ex TSA 06.0021X

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB340</td>
<td>2340-010-110</td>
<td>Black</td>
<td>10</td>
<td>29.90</td>
</tr>
<tr>
<td>XB350</td>
<td>2340-010-245</td>
<td>Yellow</td>
<td>10</td>
<td>29.90</td>
</tr>
<tr>
<td>XB351</td>
<td>2350-350-000</td>
<td>Replacement Bulb</td>
<td>-</td>
<td>10.90</td>
</tr>
</tbody>
</table>

### RIGHT ANGLE 3715 LED FLASHLIGHTS
- Compact, rugged and lightweight
- Featuring downcast LEDs for illuminating your path
- 4-mode unit
- High - 174 lumens, 4 h 45 m runtime
- Low - 95 lumens, 8 h 30 m runtime
- Signaling mode - 142 lumens, 31-hour runtime
- Downcast - 32 lumens, 10-hour runtime
- Built-in battery life indicator
- Powered by four AA alkaline batteries (not included)
- Water-resistant IPX4
- Class I, Div. 1 Groups ABCD
- Operating Temp. Class T4

#### APPROVALS
- CSA: Class I, Div. 2, Groups ABCD
- Class II, Div. 2, Group G
- FM: Class I, Div. 2, Groups ABCD, T3A
- MSHA: 10C-637-0
- IEC Ex: Ex ia IIC T4 IP65

#### Model No. Mfg. No. Description Lumens Price/Each
<table>
<thead>
<tr>
<th>Model No.</th>
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<tbody>
<tr>
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<td>033150-0150-110</td>
<td>Black, 3315 Compact LED Flashlight</td>
<td>113</td>
<td>52.90</td>
</tr>
<tr>
<td>XD019</td>
<td>033150-0150-245</td>
<td>Yellow, 3315 Compact LED Flashlight</td>
<td>113</td>
<td>52.90</td>
</tr>
<tr>
<td>XB872</td>
<td>EN91</td>
<td>Replacement Batteries, AA-Cell, 24/Pkg.</td>
<td>-</td>
<td>16.80/Pkg.</td>
</tr>
</tbody>
</table>

---

**PELICAN™**

**Flashlight**
- Dual super bright white LEDs
- Lumens: 9
- Run Time Hrs: 34
- Beam Distance: 12 m
- Light turns on when the head is flipped up
- Proves to a full 180°
- Built-in clip attaches to surfaces up to 1/2" thick
- 2 CR2032 3 V Lithium coin cells included
- IPX4 Water resistant

**Price/Each:** $19.90

**Description:** Black, Right Angle 3715 LED Flashlight

**Order Code:** 3715-000-110

---

**Replacement Batteries, AA-Cell, 24/Pkg.**

**Price/Each:** $16.80/Pkg.

**Description:** Replacement Batteries, AA-Cell, 24/Pkg.

**Order Code:** 3715-000-110

---

**PELICAN™**

**Flashlight**
- Dual super bright white LEDs
- Lumens: 9
- Run Time Hrs: 34
- Beam Distance: 12 m
- Light turns on when the head is flipped up
- Proves to a full 180°
- Built-in clip attaches to surfaces up to 1/2" thick
- 2 CR2032 3 V Lithium coin cells included
- IPX4 Water resistant

**Price/Each:** $19.90

**Description:** Black, Right Angle 3715 LED Flashlight

**Order Code:** 3715-000-110

---

**Replacement Batteries, AA-Cell, 24/Pkg.**

**Price/Each:** $16.80/Pkg.

**Description:** Replacement Batteries, AA-Cell, 24/Pkg.

**Order Code:** 3715-000-110
COAST® G20 PENLIGHT
- Impact and weather resistant
- Tested and rated to ANSI/FL1 standards
- Pocket clip included
- Lamp Type: LED
- Run Time Hrs. (High): 10
- Material: Aluminum
- Battery Type: AAA
- Beam Distance (High): 32 m
- Batteries Included
- Beam Optic: Inspection Beam

Price/Each $ 41.90
Mfg. No. 20688
Model No. XF001

COAST® HP7 FLASHLIGHT
- Anti-roll feature allows the flashlight to be on an uneven surface without running the risk of it rolling off
- Tested and rated to ANSI/FL1 standards
- Lamp Type: LED
- Lumens (High): 410
- Run Time Hrs. (High): 2
- Body Material: Aluminum
- Battery Type: AAA
- Beam Distance (High): 229 m
- Batteries Included
- Modes: High, medium, and low

Model No. XE965
Mfg. No. 20406
Price/Each $54.90

PELICAN™ 2750 HEADLAMP
- Bright and compact headlamp that features a night vision friendly red LED
- Designed with weather resistant casing which allows for fast and easy battery change
- Can be operated in high, low, or flashing mode
- Lamp Type: LED
- Lumens (High): 193
- Run Time Hrs. (High): 3
- Beam Distance (High): 98 m
- Batteries Included
- Number of Batteries Required: 3 AAA
- Water Resistance: IPX4

Model No. XE232
Mfg. No. 027500-0102-110
Colour: Black
Price/Each $35.90

PELICAN™ 2765 HEADLAMP
- Bright and compact headlamp that features a night vision friendly red LED
- Designed with weather resistant casing which allows for fast and easy battery change
- Can be operated in high, low, or flashing mode
- Lamp Type: LED
- Lumens (High): 200
- Run Time Hrs. (High): 3
- Beam Distance (High): 82 m
- Batteries Included
- Number of Batteries Required: 3 AAA
- Water Resistance: IPX4

Model No. XE900
Mfg. No. 027500-0102-247
Colour: Photo luminescent
Price/Each $35.90

COAST® FL60 HEADLAMP
- Hinged beam allows for quick and easy light beam adjustment
- Hardhat compatible
- Reflective strap provides additional visibility on low lighting
- Tested and rated to ANSI/FL1 standards
- Lamp Type: LED
- Lumens (High): 400
- Run Time Hrs. (High): 2.75
- Battery Type: AAA
- Beam Distance (High): 32 m
- Batteries Included
- Modes: High, medium, and low

Model No. XF001
Mfg. No. 20688
Price/Each $41.90

COAST® FL60 HEADLAMP
- Features gesture activation control
- Can be operated in high, signaling, or rightision red LED mode
- Rubber head strap included
- Optical 4x magnification allows for a wide or penetrating beam
- Lamp Type: LED
- Lumens (High): 200
- Run Time Hrs. (High): 3
- Beam Distance (High): 82 m
- Batteries Included
- Number of Batteries Required: 3 AAA
- Water Resistance: IPX4

Model No. XE236
Mfg. No. 027200-0101-110
Price/Each $64.90

SAFETY PRODUCTS
Safety Products for Industry

ZENITH

OFFICE PRODUCTS
INSTRUMENTS, SCALES & ELECTRICAL
SHIPPING & PACKAGING
TOOLS & EQUIPMENT
WELDING & METALWORKING
SAFETY EQUIPMENT & SUPPLIES
JANITORIAL & MAINTENANCE
MATERIAL HANDLING & STORAGE

1495

1466-1520_Eng.indd 1495
2018-07-12 12:02 PM
### FLASHLIGHTS & BATTERIES

#### KNUCKLEHEAD® SPOT LED FLASHLIGHTS
- Shockproof C4® premium LED technology
- Deep dish parabolic reflector produces a focused beam for longer distances: 210 m on high beam
- Durable spring-loaded clip for easy attachment to turnout gear and uneven surfaces
- Features a 210° articulating head that rotates a full 360°
- Four modes:
  - **High:** 11,000-candela peak beam intensity, 180 lumens, 16-hour runtime
  - **Low:** 3300-candela peak beam intensity, 55 lumens, 16-hour runtime
- **Moonlight:** 20-day runtime
- **Flash:** 8-hour runtime

#### SURVIVOR®
- Brightest right-angle LED flashlight available
- Features a C4® LED with a 405 m range and optimal peripheral illumination
- LED produces up to 175 lumens and has a 5000-hour lifetime
- Raised push button switch features: High, Low, Flash and moonlight
- Run time (rechargeable):
  - **High:** 3.5 hours; **Low:** 11 hours; **Flash:** 5 hours; **Moonlight:** 20 days
- Run time (alkaline):
  - **High:** 4 hours; **Low:** 15 hours; **Flash:** 8 hours; **Moonlight:** 20 days
- Constructed of high-impact, super-tough nylon polymer construction for exceptional durability
- 2-m impact-resistance tested
- IPX4-rated for water-resistance

#### KNUCKLEHEAD® FLOOD LED FLASHLIGHTS
- High-impact super-tough nylon offering exceptional durability
- Super-bright C4® LED is impervious to shock and has a 50,000-hour lifetime
- IPX4-rated for water resistant operations
- All openings O-ring sealed
- Full 360° rotation head with 210° of articulation
- Removable magnet with 135-lb. pull strength and integrated hook
- Lens is an unbreakable polycarbonate with silicone anti-scratch coating and is assembled in a heavy-duty bezel
- XD663: **AC/DC:** Class I, Div. 1 approved for hazardous locations
- XD663: Class I, Div. 1 approved for hazardous locations
- XD663 includes 4 AA alkaline batteries
- Charger meets requirements of NFPA 1901-14.3.11.2 (2003) mounted in any position

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Price /Each</th>
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<tbody>
<tr>
<td>XD010</td>
<td>90757</td>
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<td>140</td>
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<td>Knucklehead® Spot 12V Flash Charge, Orange</td>
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<td>XD013</td>
<td>90011</td>
<td>AC Fast Charger (Includes Holder)</td>
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<td>XC404</td>
<td>90332</td>
<td>NiCd Battery Pack, Rechargeable, Div. 2</td>
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<tr>
<td>XC405</td>
<td>90542</td>
<td>Alkaline Battery Pack (Batteries Not Included)</td>
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<td>XB872 EN91</td>
<td>Replacement Alkaline Batteries, AA, 24/Pkg.</td>
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<td>16.80/Pkg.</td>
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</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Battery</th>
<th>Lumens</th>
<th>Price /Each</th>
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<tr>
<td>XC766</td>
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<td>Industrial Rechargeable Nickel-Cadmium 4.8 V Battery Pack</td>
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<td>4AA Alkaline Non-Rechargeable Battery Pack</td>
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<td>XD862</td>
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<td>HAZ-LO® Rechargeable Worklight</td>
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<td>91642</td>
<td>HAZ-LO® Worklight</td>
<td>165</td>
<td>149.00</td>
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</tbody>
</table>

### SURVIVOR®

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Colour</th>
<th>Price /Each</th>
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</thead>
<tbody>
<tr>
<td>XC401</td>
<td>90563</td>
<td>Survivor® Rechargeable</td>
<td>175</td>
<td>Yellow</td>
<td>215.00</td>
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<td>XC402</td>
<td>90564</td>
<td>Survivor® Rechargeable</td>
<td>175</td>
<td>Orange</td>
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<td>XC403</td>
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<td>Survivor® Alkaline</td>
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<td>59.90</td>
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<tr>
<td>XC405</td>
<td>90542</td>
<td>Alkaline Battery Pack (Batteries Not Included)</td>
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<td>-</td>
<td>6.39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Lumens</th>
<th>Colour</th>
<th>Price /Each</th>
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<tr>
<td>XC774</td>
<td>88831</td>
<td>Polytac 90° Compact Light</td>
<td>170</td>
<td>Yellow</td>
<td>83.90</td>
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<tr>
<td>XC774</td>
<td>88832</td>
<td>Polytac 90° Light w/ Gear Keeper</td>
<td>170</td>
<td>Orange</td>
<td>105.00</td>
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<tr>
<td>XC776</td>
<td>88833</td>
<td>Gear Keeper Tool Lanyard</td>
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<td>XD906</td>
<td>E123MBP</td>
<td>Replacement 3V Lithium Batteries</td>
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<td>4.79</td>
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</table>

1496 MATERIAL HANDLING & STORAGE

1497 JANITORIAL & MAINTENANCE

1498 SAFETY EQUIPMENT & SUPPLIES

1499 WELDING & METALWORKING

1500 TOOLS & EQUIPMENT

1501 SHIPPING & PACKAGING

1502 INSTRUMENTS, SCALES & ELECTRICAL

1503 OFFICE PRODUCTS
**E-FLOOD® LITEBOX® RECHARGEABLE LANTERNS**

- Produces up to 4000 candelas and has 615 lumens on high power
- IPX4-rated design for weather resistant operation
- Fits existing Streamlight LiteBox® racks
- Six LEDs produce a smooth flood pattern
- Battery is a zero maintenance 6 V, 12 Ah sealed lead acid and is rechargeable up to 500 times
- Red and green LEDs provide charge status
- Charge rack meets requirements of NFPA standard 1901-14.11.12 (2003) mounted in any position

**WAYPOINT® PISTOL GRIP SPOTLIGHTS**

- C4® LED technology, with a 50,000 hour lifetime
- Three modes of lighting: High, low and emergency signal
- IPX4 rated design for water resistant operation
- Integrated stand for hands-free scene lighting
- Unbreakable polycarbonate lens
- XC764 and XC765: Powered by 4 “C” batteries (not included) or 12 V DC power cord (included)
- Run time (XC764 and XC765): High 10 hrs.; 12 V DC power cord: Unlimited
- Run time (XD331 and XD332): High 3 hrs.

**FIRE VULCAN® LED**

- Lightweight, waterproof lantern features super bright C4® LED technology and two blue taillight LEDs that provide illumination both in front of and behind the lantern
- C4® LED produces up to 80,000 Candela (Peak Beam Intensity), is impervious to shock and has a 50,000 hour lifetime
- The 2 ultra-bright blue taillights can be run through thick smoke
- Run times: Steady LED and taillights - Up to 3 hours to the 10% output level (High) and up to 7 hours (Low)
- High power: 145 lumens, low power: 70 lumens
- 8 total programmable functions - 4 functions when toggle switch is in “left” position and 4 functions when toggle switch is in “right” position
- IPX7 rated design - waterproof to 3 meter for 30 minutes, lantern floats
- Raised handle and toggle “on-off” switch ensure ease of use with a gloved hand
- Super lightweight lithium ion battery recharges in 5 hours
- Includes shoulder strap, AC/DC charge cords and charging rack
- Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups F, G, Class III T-Code: T4
- Rack meets requirements of NFPA standard 1901-14.11.12 (2003) mounted in any position

**E-SPOT® LITEBOX® RECHARGEABLE LANTERNS**

- Uses three LEDs and deep-dish parabolic reflectors to produce a large spot pattern
- Run time: High - up to 7 continuous hours; Low - up to 15 continuous hours
- Produces up to 55,000 candelas and has 540 lumens on high power
- IPX4 rated design for weather resistant operation
- Fits existing Streamlight LiteBox® racks
- Includes 6 V, 12 Ah sealed lead acid rechargeable battery, rechargeable up to 500 times
- Rack meets requirements of NFPA standard 1901-14.11.12 (2003) mounted in any position

**SABRELI®TE 2000**

- Watertight to 500’
- Made out of unbreakable ABS material with an hi-impact polycarbonate lens
- Has an exclusive state-of-the-art xenon lamp module that produces a tightly focused collimated white light beam with 33 lumens of power
- Safe to be used in gaseous or electrical hazardous environments
- Requires 3 C-cell (batteries not included)
- Length: 7.79”
- Includes: Belt spring clip, stainless steel split ring and black lanyard

**STEALTHLITE™ 2400**

- This 4 AA-cell flashlight is water resistant with an unbreakable corrosion proof ABS body and hi-impact polycarbonate lens
- Xenon lamp module gives an unsurpassed white collimated beam
- Has a one handed on/off locking switch plus a heavy-duty lanyard
- Safe to be used in gaseous or electrical hazardous environments
- Colour: Orange

**APPROVALS**

- FM: Class I, Div. 2, Groups ABCDGE, T3C
- MSHA: 10C-629-2
- CSA: Class I, Div. 2, Groups ABCD, T3C
- Class II, Div. 2, Group G
- IEC EX: Ex d IIC T4; IP67
- UL: Class I, Div. 1, Groups CD, Class I, Zone I, Groups A, B, C, D

**BATTERIES**

- AAA: Replacement Batteries, AA-Cell, 24/Pkg.
- Alkaline Batteries
- Rechargeable Batteries, C-cell, 12/pkg.

---

**FLASHLIGHTS & BATTERIES**

- 1497

---

**PRICE**

- $305.00

---

**MODEL NO.**

- XD331
- XD332
- XD384

**DESCRIPTION**

- Spotlight, Rechargeable

**COLOUR**

- Yellow

**LUMENS**

- 1000

**PRICE/Each**

- $195.00

---

**MODEL NO.**

- XD332

**DESCRIPTION**

- Spotlight, Rechargeable

**COLOUR**

- Black

**LUMENS**

- 1000

**PRICE/Each**

- $195.00

---

**MODEL NO.**

- XD384

**DESCRIPTION**

- Spotlight, Rechargeable

**COLOUR**

- Beige

**LUMENS**

- 615

**PRICE/Each**

- $329.00

---

**MODEL NO.**

- XD384

**DESCRIPTION**

- Spotlight, Rechargeable

**COLOUR**

- Orange

**LUMENS**

- 615

**PRICE/Each**

- $329.00

---

**MODEL NO.**

- XD384

**DESCRIPTION**

- Spotlight, Rechargeable

**COLOUR**

- Yellow

**LUMENS**

- 615

**PRICE/Each**

- $335.00
FLASHLIGHTS & BATTERIES

AFL100 LED FLASHLIGHTS
- Super bright LED bulb
- Polypropylene body resists grease and chemicals
- Shatterproof lens
- Ribbed non-slip barrel
- Hi-Viz yellow colour for easy visibility
- Batteries not included

Model | Mfg. No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XE977 | LA765A | Flashlight, 2 AA-Cells | 28 | 1.80
XB972 | EN91 | Replacement Batteries AA-Cell, 24/Pkg. | - | 16.80/Pkg.
XE978 | LA760C | Flashlight, 2 D-Cells | 35 | 5.50
XB975 | EN95 | Replacement D-Cell Batteries, 12/Pkg. | - | 21.96/Pkg.

AFL300 LED FLASHLIGHTS
- High strength aluminum casing
- Shatterproof lens
- Run Time Hrs. (High): 2
- Batteries included
- Battery Type: AAA
- Colour: Black
- Beam Distance (High): 35 m
- Lumens (High): 94

LED HEADLAMP
- Head angle is adjustable
- Adjustable in/out zoom
- Water resistant
- 3 settings: High, Low and Strobe
- Batteries Required: 3 AAA
- Run Time Hrs. (High): 6
- Beam Distance (High): 120 m
- Batteries not included

Model | Mfg. No. | Description | Lumens (High) | Price /Each
--- | --- | --- | --- | ---
XE887 | LED Headlamp | 170 | 29.95

ENERGIZER® 2-AA VISION HD FLASHLIGHT
- Can be used on high, power-saver and emergency strobe modes
- Includes two Energizer® AA batteries
- Survives drops up to 1 metre
- Lamp Type: LED
- Run Time Hrs. (High): 4
- Body Material: Aluminum
- Battery Type: AA
- Beam Distance (High): 115 m
- Water Resistance Rating: IPX4

Model | Mfg. No. | Description | Lumens (High) | Price /Each
--- | --- | --- | --- | ---
XE796 | HD Flashlight | 400 | 25.90

LED RUBBER FLASHLIGHTS
- Two bright Nichia LED’s
- 22 lumens, 16-hour runtime
- Focusing lens projects a precise spot
- Push-button switch
- Built-in stand
- Non-roll foot
- Includes two AA Energizer® batteries

Model | Mfg. No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XE956 | ENRUB21E | Black, 3315 Compact LED Flashlight | 22 | 15.80
XB972 | EN91 | Replacement Batteries AA-Cell, 24/Pkg. | - | 16.80/Pkg.

AFL200 MINI LED FLASHLIGHTS
- Nine ultra bright LED lights
- High-strength aluminum casing
- On/Off switch
- Lightweight design
- Rugged impact resistant housing
- Includes wrist strap and three AAA alkaline batteries

Model | Mfg. No. | Description | Lumens | Price /Each
--- | --- | --- | --- | ---
XD079 | LA671 | Mini LED Flashlight | 25 | 10.50

INDUSTRIAL LED FLASHLIGHT
- Run Time Hrs. (High): 113
- Battery Type: D
- Colour: Yellow
- Batteries Required: 2 x D

Model | Mfg. No. | Description | Lumens (High) | Price /Each
--- | --- | --- | --- | ---
XD071 | 125L | Industrial LED Flashlight | 35 | 7.65

CONTRACTOR® SERIES INTRINSICALLY SAFE LIGHTS
- Designed to meet the needs of hazardous work environments by combining the major performance advantages of LED without sacrificing brightness
- Chemical-resistant, anti-static polyethylene construction
- Carabiner belt hook on tall cap
- Survives 7’ drop test
- CUL 913 Certified Intrinsically Safe for Class I, Groups A, B, C and D
- Class II, Groups E, F and G, Class III
- CAN/CSA C22.2 No. 157-92
- IEC 60529 waterproof and dustproof
- AA batteries not included

Model | Mfg. No. | Description | Avg Life | Lumens | Price /Each
--- | --- | --- | --- | --- | ---
XG796 | ENR120LED | Three White Nichia CS | 20hrs | 40 | 25.90
XB872 | EN91 | Replacement Batteries AA-Cell, 24/Pkg. | - | - | 16.80/Pkg.
LED FLASHLIGHTS

- Cutting edge Recel™ LED Technology™, up to 33 times brighter than regular LED lights
- Focusses the light by firing backwards; 100% of the light is captured and reflected forward

SABRELLITE™ 2410 LED
- Rugged, lightweight Xenoy® body
- White collimated beam as bright as an incandescent light
- 161 lumens
- Submersible
- Powered by four AA-cell alkaline batteries, not included

APPROVALS
Class I Div. 1
Class II Div. 1
Class III Div. 1
IEEE ia

STEALTHLITE™ 2410 LED
- ABS body with polycarbonate lens
- One-handed safety switch operation
- 126 lumens
- Submersible to 500'
- Powered by four AA-cell alkaline batteries, included

APPROVALS
FM: Class I, Div. 2, Groups ABCD, T4A
Class I, Div. 2, Groups PG

PORTABLE RECHARGEABLE LED SCENE LIGHTS
- Six C4® LEDs and wide pattern parabolic reflectors produce a smooth flood pattern
- Indefinite run time with 12 V power cord
- 3 levels of lighting
- Wattage: 36 W
- Stabilization legs provide balance on uneven surfaces
- 90° swivel neck allows you to aim the beam where you need it for task lighting
- Packs to a compact size for easy storage
- Pole extends to 72"
- Weatherproof construction

FLASHLIGHTS & BATTERIES

ENDURO® LED HEADLAMPS
- Solid State Power Regulator provides maximum light output throughout battery life
- Waterproof to 1 metre for 1 hour
- Includes rubber/elastic combo head strap
- Lumens (High): 14.5
- Run Time Hrs. (High): 6
- Battery Type: AAA
- Lamp Colour: Black
- Beam Distance (High): 17.8 m
- Number Of Batteries Required: 2
Model No. XD434
Mfg. No. 61409
Price/Each 521.90

3AA PROPOLYMER® DUALIE® FLASHLIGHTS
- C4® LED technology for extreme brightness
- Simultaneous spot and flood modes for a total of 245 lumens
- IPX2 waterproof to 1m for 30 minutes
- 2 metre impact resistance tested
- Durable, non-conductive, corrosion-proof polymer resin body
- Lamp Type: LED
- Lumens (High): 140
- Run Time Hrs. (High): 18
- Battery Type: AA
- Beam Distance (High): 171 m
- Batteries Included/Not Included: Included
Model No. XC062
Mfg. No. 10-016-245
Price/Each 116.00

SIEGE® COMPACT LANTERNS
- C4 LED technology for extreme brightness
- A rugged, compact lantern
- 360° soft even lighting that illuminates a large area
- Multiple modes
- Stand it upright or to use as an overhead light
- Hang it with the D-ring on base of lantern
- IPX2 waterproof to 1 m submersion
- 2 m impact resistance tested
- Floats so you can retrieve it if you drop it in the water
- Colour: Black/Green
- RoHS compliant
- Batteries not included
Model No. XE760
Mfg. No. 67850
Price/Each 50.50

LED FLEX-NECK FLASHLIGHTS
- Work hands free in bright LED light; magnetic base attaches to any metal surface
- 15° flexible neck directs 65 lumens of bright LED light
- Aerospace grade aluminum no-slip body is hard anodized for extreme durability
- Push button on/off tail switch allows for easy operation
- 15 hours of burn time on 2 AA batteries (not included)
Model No. XE761
Mfg. No. 67852
Price/Each 50.50

### HARD CASE® PROFESSIONAL SPOT LIGHTS
- LEDs produce a tight white spot light
- Intense focused beam
- High and Low modes for brightness and run time control
- Ideal for long distance applications and searching
- Shatterproof lens
- Water resistant
- Rugged construction
- Durable light survives drops up to 7 meters
- High: 500 lumens; Low: 150 lumens
- Run time: High 6 hrs., Low 50 hrs.
- Beam Distance: 425 m
- Material: Hard Plastic
- Colour: Black/Grey
- Includes 6 AA batteries

#### Model No. XC679
- Mfg. No. HCS679E
- Price/Each $41.90

### REPLACEMENT BATTERY
- Model No. XB872 - 24/pkg.
- Price/Pkg. $16.80

### HARD CASE PROFESSIONAL™ 2 AA LED FLASHLIGHTS
- 300 lumens
- Water resistant IPX4
- Shatterproof lens
- Impact resistant steel plate bolted sides
- Run time: High 6 hrs., Low 30 mins.
- Includes 2 long lasting AA Energizer® alkaline batteries
- Beam distance: 135 meters

#### Model No. XC234
- Mfg. No. TUF2AAPE
- Price/Each $21.90

### REPLACEMENT BATTERY
- Model No. XB872 - 24/pkg.
- Price/Pkg. $16.80

### ENERGIZER® 4AA PROJECTPRO FLASHLIGHTS
- Smart dimming technology for full control of brightness and run time
- Includes four Energizer® MAX® AA batteries
- Survives drops up to 7 meters and features a shatterproof lens
- Lamp Type: LED
- Lumens (High): 400
- Run Time Hrs. (High): 11
- Battery Type: AA
- Beam Distance (High): 125 m
- Water Resistance Rating: IPX4

#### Model No. XE885
- Mfg. No. HCHH41E
- Price/Each $27.90

### REPLACEMENT BATTERY
- Model No. XB872 - 24/pkg.
- Price/Pkg. $16.80

### ENERGIZER® 2AA PIVOTPRO FLASHLIGHTS
- Head pivots 175° to aim light where it’s needed
- Versatile design features a magnetic base & compact body
- Survives drops up to 7 meters and features a shatterproof lens
- Includes two Energizer® MAX® AA batteries
- Lamp Type: LED
- Lumens (High): 300
- Run Time Hrs. (High): 5.5
- Battery Type: AA
- Beam Distance (High): 30 m

#### Model No. XE886
- Mfg. No. HCSW21E
- Price/Each $39.90

### ENERGIZER® 9AA PIVOTPRO FLASHLIGHTS
- Head pivots 175° to aim light where it’s needed
- Versatile design features a magnetic base & compact body
- Survives drops up to 7 meters and features a shatterproof lens
- Includes two Energizer® MAX® AA batteries
- Lamp Type: LED
- Lumens (High): 300
- Run Time Hrs. (High): 5.5
- Battery Type: AA
- Beam Distance (High): 30 m

#### Model No. XE886
- Mfg. No. HCSW21E
- Price/Each $39.90

### ENERGIZER® HD VISION INDUSTRIAL HEADLAMP
- Dimmable to control brightness and runtime
- Pivots to direct light where you need it
- Includes 3AAA Energizer® MAX® batteries
- Lamp Type: LED
- Lumens (High): 180
- Run Time Hrs. (High): 8
- Lamp Material: Plastic
- Battery Type: AAA
- Beam Distance (High): 40 m
- Batteries Included
- Three light modes: White spot light, White flood light and Spot and flood together

#### Model No. SDM001
- Mfg. No. HDBIN32E
- Price/Each $29.90

### ENERGIZER® HARDCASE RUGGED LED HEADLAMP
- Rugged LED headlamp with rear-mounted battery pack
- Multiple lighting modes (spot/flood, high/low)
- Includes 3 AA Energizer® MAX® batteries
- Lamp Type: LED
- Lumens (High): 250
- Run Time Hrs. (High): 4.75
- Battery Type: AA
- Lamp Colour: Black
- Beam Distance (High): 125 m
- Water Resistance: IPX4

#### Model No. XC679
- Price/Each $49.90
**SUNNEX TASK LIGHTS**

- Provide the concentrated light most needed for operations performed in today’s workstations
- Ergonomically designed for ease-of-use and engineered to withstand years of operation

**Note:** After selecting the desired lamp, select the desired base style from the mounting bases and accessories table at the bottom of the page.

**20-WATT HALOGEN SERIES**

- Compact head design allows positioning to provide the best lighting with minimal view obstruction

Standard features include: 12 V, 20 W halogen bulb, clear lens, spot reflector, black PUR gooseneck sleeve, 120 V power supply, On/Off switch, 7’ SJT-18 polarized cord set

**APPLICATIONS:**
- Industrial manufacturing
- Assembly
- Inspection
- Medical and office

**APPLICATIONS:**
- Industrial machinery (CNC lathes, drill presses, grinding, milling and other high vibration shop machinery)
- Assembly workstations
- Workbenches

### Mounting Bases & Accessories

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW223</td>
<td>Flexible Gooseneck, 12 V, No Transformer</td>
<td>279.00</td>
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<tr>
<td>BW224</td>
<td>Flexible Gooseneck, 12 V, No Transformer</td>
<td>329.00</td>
</tr>
<tr>
<td>BW225</td>
<td>Flexible Gooseneck, 12 V, No Transformer</td>
<td>279.00</td>
</tr>
<tr>
<td>BW226</td>
<td>Flexible Gooseneck, 12 V, No Transformer</td>
<td>375.00</td>
</tr>
</tbody>
</table>

* These units can be wired directly into machinery power supply.

### 700 SERIES LED LIGHTING

The LED element offers a significant increase in luminous intensity of a standard 20-watt halogen bulb, while providing close to 70% less energy consumption, cool-touch heat management and a projected 25,000 hours of high-output lighting.

**Features include:**
- Compact 3.2 W LED lamp head with 340° rotation 90° bend
- Flexible gooseneck
- Exceptionally long element life (35,000 hours)
- Cool operating temperature
- Push button On/Off switch in head

**Applications:**
- Medical
- Assembly
- Visual Inspection
- OEM Applications
- Fine Assembly
- Industrial Manufacturing
- Office
- Bench Work
- Electronics
- Packaging

### 50-WATT MOISTURE RESISTANT HALOGEN TASK LIGHTS

Moisture proof lamp head, lens, and reflector, make the light fixture suitable to any environment, without risking electrical damage to the lamp, or injury to the operator

Standard features include: 12 V, 50 W halogen bulb, clear lens, flood reflector, black PUR gooseneck sleeve, 110 V power supply, On/Off switch located on transformer base, 7’ SJT-18 polarized cord set

**APPLICATIONS:**
- Industrial machinery (CNC lathes, drill presses, grinding, milling and other high vibration shop machinery)
- Assembly workstations
- Workbenches

### Replacement Bulbs

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW224</td>
<td>12 V-20 W Replacement Halogen Bulb</td>
</tr>
<tr>
<td>BW225</td>
<td>12 V-35 W Replacement Halogen Bulb, Medium Flood</td>
</tr>
<tr>
<td>BW236</td>
<td>12 V-50 W Replacement Halogen Bulb</td>
</tr>
<tr>
<td>BW237</td>
<td>24 V-20 W Replacement Halogen Bulb</td>
</tr>
<tr>
<td>BW239</td>
<td>24 V-50 W Replacement Halogen Bulb</td>
</tr>
<tr>
<td>XCS54</td>
<td>5 W LED Replacement Bulb</td>
</tr>
</tbody>
</table>

### Base Styles

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW231</td>
<td>Magnetic Base</td>
</tr>
<tr>
<td>BW232</td>
<td>C-Clamp Bracket, 1 3/4” Opening</td>
</tr>
<tr>
<td>BW233</td>
<td>8” Round Table Base</td>
</tr>
</tbody>
</table>

### Price per Each

- BW227: $249.00
- BW226: $375.00
- BW224: $165.00
- BW225: $165.00
- BW226: $165.00
- BW227: $165.00
- BW231: $165.00
- BW232: $165.00
- BW233: $165.00
- BW234: $165.00
- BW235: $165.00
- BW236: $165.00
- BW237: $165.00
- BW239: $165.00
- XCS54: $90.00
- XCS50: $165.00
- XCS51: $165.00
- XCS52: $165.00
- XCS53: $165.00

**SUNNEX TASK LIGHTS & MAGNIFIERS**

**EQUIPMENT & SUPPLIES**
- OFFICE PRODUCTS
- TOOLS & EQUIPMENT
- WELDING & METAL WORKING
- SAFETY EQUIPMENT & SUPPLIES
- JANITORIAL & MAINTENANCE
- MATERIAL HANDLING & STORAGE

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TASK LIGHTS & MAGNIFIERS

**FLUORESCENT INDUSTRIAL-DUTY MAGNIFIERS**

**KFM SERIES**
- Patented internal 45° spring arm offers perfect balance and full adjustability
- 5” diameter, distortion-free lens
- Reflector optimizes light output and distributes illumination evenly across the work area
- Electronic ballast increases light output by 15%
- Secondary lens allows for a wide variety of magnification tasks
- 22 W circline fluorescent bulb (included) is protected by a non-yellowing acrylic, splash guard/diffuser
- Colour: Light grey
- 5-year limited warranty

Model No. XB951 3-diopter (1.75x)
Price/Each $399.99

**XC792**
- Model No. XC792
- 16 W energy efficient
- Flexible, gooseneck arm
- Adjustable height
- Line switch on/off
- Overall Dimensions: 19” H x 3” D
- Mounting Type: Clamp
- Bulb Type: Halogen
- Lamp Wattage: 50 W
- Bulb not included

**RHINOMAG ILLUMINATED FLUORESCENT MAGNIFIERS**
- 5” diameter, 3-diopter lens which magnifies 1.75x (for increased magnification, see auxiliary lenses below)
- Heavy-duty spring balanced arms extend 42” (107 cm)
- Instant on/off switch
- Bulb cover for safety
- Comes with 22 W circline fluorescent bulb, spring covers and an industrial duty clamp-on bracket “A”

Model No. XC510 White
Price/Each $185.00
Model No. OM125 Black
Price/Each $185.00

**AUXILIARY LENSES**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC512</td>
<td>5-diopter lens, replaces supplied 3D lens</td>
<td>$43.90</td>
</tr>
<tr>
<td>XC995</td>
<td>Replacement fluorescent bulb</td>
<td>$15.90</td>
</tr>
</tbody>
</table>

**SWING ARM CLAMP-ON DESK LAMPS**
- Spring arm adjusts to many positions
- 36” reach
- Clamp to any surface
- Durable baked enamel finish
- Uses CFL bulbs (not included)
- Certified for sale in Canada by an accredited certification body

**Model No.**
- Frame Colour
- Light
- Type
- Price /Each

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour</th>
<th>Light</th>
<th>Type</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA982</td>
<td>Black</td>
<td>23 W</td>
<td>CFL</td>
<td>$63.90</td>
</tr>
<tr>
<td>XA983</td>
<td>White</td>
<td>23 W</td>
<td>CFL</td>
<td>$63.90</td>
</tr>
</tbody>
</table>

**REPLACEMENT BULBS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Light</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XCP552</td>
<td>23 W</td>
<td>$13.70</td>
</tr>
</tbody>
</table>

**MAGNIFIERS**

**IFM SERIES**
- Ideal light-duty illuminated magnifier
- 5” diameter distortion-free lens in either 3-diopter (1.75x) or 5-diopter (2.25x) models
- 45” arm length
- Clamp or base mounts
- 22 W fluorescent tube which provides shadow-free illumination
- Built-in starter, the switch does not have to be held down for several seconds to illuminate the tube
- 115 V AC
- Colour: Light grey
- Includes: Lamp diffuser cover, 3-wire cord, 22-watt fluorescent tube
- Certified for sale in Canada by an accredited certification body

Model No.
- XB947
- XC227

**18 W ENERGY EFFICIENT FLEXIBLE DESK LAMP**
- Gives equivalent light output to a 100 W incandescent
- Arm and head are uniquely flexible to allow for precise light placement
- Height 18”
- Base 6” x 9”
- Bulb: Max. 18 W mini fluorescent (DS 18 W – included)

Model No. XC792
- Mfg. No. U11116-BK
Price/Each $165.00

**CLIP-ON GOOSENECK LAMP**
- Flexible, gooseneck arm
- Adjustable height
- Line switch on/off
- Overall Dimensions: 19” H x 3” D
- Mounting Type: Clamp
- Bulb Type: Halogen
- Lamp Wattage: 50 W
- Bulb not included

Model No.
- XB733  DG916-OB
- XB734  DG916-S
- 50 W HALOGEN GU10
- XC648  B7462

**HANDLING & STORAGE**

**WELDING & METALWORKING**

**TOOLS & EQUIPMENT**

**SHIPPING & PACKAGING**

**INSTRUMENTS, SCALES & ELECTRICAL**

**OFFICE PRODUCTS**
INVESTMENT TOOLS

• 75 watts
• Lightweight design
• Rugged impact resistant housing
• Grounded 25’ cord
• On/Off switch handle
• Includes: hanging hook and electric outlet
• Certified for sale in Canada by an accredited certification body

Model No. XC460
Price/Each $32.25

INDUSTRIAL FLUORESCENT WORK LIGHTS

• Cool running fluorescent bulb included
• Shatter resistant polycarbonate lamp shield
• Includes: full length reflector, switch and hook
• Models XB906, XB907 and XB907 also have a magnet mount and outlet
• Certified for sale in Canada by an accredited certification body

INDUSTRIAL TROUBLE LIGHTS

• Rechargeable 7.2 V NiMH battery pack
• -minute run time with full charge
• Battery pack, 120 V charging cradle and 12 V auto adaptor cord
• Completely waterproof, cord resistant glass globe and metal guard
• Oil-resistant rubber controlled handle
• TWIN-TUBE, COMPACT
  • Cool running and protected by a rugged, shatter-proof polycarbonate tube
  • Includes an enclosed starter switch, rubber end caps, full-length reflector and hanging hook
  • Moisture and dust resistant
  • Includes a 25/2 SJTW cord
  • Vapour-proof work lights suitable for areas where water vapour is present
  • Certified for sale in Canada by an accredited certification body

INVESTMENT TOOLS

• Rechargeable Fluorescent Work Light
• Utilizes a long lasting fluorescent bulb which delivers excellent light in a highly portable package
• 13 W cool operating • 900 lumens
• Rechargeable 7.2 V NiMH battery pack
• 90-minute run time with full charge
• Convenient rotating hanging hook
• Stands upright on its base
• Extra battery pack allows continuous use of the light while the other is charging (Model No. XC419)
• Includes: battery pack, 120 V charging cradle and 12 V auto adaptor cord
• Certified for sale in Canada by an accredited certification body

Model No. Description Price/Each
XC418 13 W Rechargeable Fluorescent Work Light $155.00
XC419 Spare Battery Pack for XC418 $42.90
XC470 Replacement Bulk for XC418 $14.50

RECHARGEABLE FLUORESCENT WORK LIGHTS

• Includes an enclosed starter switch, rubber end caps, full-length reflector and hanging hook
• Moisture and dust resistant
• Includes a 25/2 SJTW cord
• Vapour-proof work lights suitable for areas where water vapour is present
• Certified for sale in Canada by an accredited certification body

Model No. Description Price/Each
XA251 Replacement Bulb, Rough Service (for XB906 and XB907) - $12.50
XC409 Replacement Bulb (for XB907) - $7.65

LINEAR FLUORESCENT

Model No. Description Price/Each
XB968 15 W, 25’ cord, 16/3 SJTW 26 $76.90
XA372 Replacement Bulb, 24/case - $155.00

WORK LIGHTS & CORD REELS

INDUSTRIAL WORK LIGHTS

• Grounded convenience outlet
• On/Off switch handle
• Models XA175, XA918, XB987 and XB988 feature a circuit breaker
• Models XB973 and XB998 feature a cord that stays flexible in cold temperatures
• Certified for sale in Canada by an accredited certification body
• Accepts up to 100-watt incandescent or CFL bulb

Model No. Description Price/Each
XAX175 25’ Cord, 16/3 SJTW, 15 A $49.50
XAX918 50’ Cord, 16/3 SJTW, 15 A $49.50
XB987 25’ Cord, 16/3 SJTW, All Temperature, 13 A $65.50
XB988 50’ Cord, 16/3 SJTW, All Temperature, 13 A $69.50
XB990 50’ Cord, 16/1 SJTW, 15 A $54.50
XB123 Replacement Bulb, Pack of 2 $6.89

LINDS Equipment

VAPOUR-PROOF INCANDESCENT WORK LIGHTS

• Suitable for areas where water vapour is present
• Rated for a 100 W incandescent or CFL bulb
• Impact resistant glass globe and metal guard
• Oil-resistant yellow rubber handle
• 16/3 SJTW cord
• Certified for sale in Canada by an accredited certification body

Note: Not submersible
Model XA270 25’ cord Price/Each $429.00
Model XA267 50’ cord Price/Each $479.00
Model XB123 Replacement bulbs, Pack of 2 Price/Each $6.49

LINDS Equipment

HEAVY-DUTY FLUORESCENT WORK LIGHTS

• Cool running and protected by a rugged, shatter-proof polycarbonate tube
• Includes an enclosed starter switch, rubber end caps, full-length reflector and hanging hook
• Moisture and dust resistant
• Yellow 18/2 SJTW cord
• Vapour-proof work lights suitable for areas where water vapour is present
• Certified for sale in Canada by an accredited certification body

Model No. Description Price/Each
XA146 13 W, 900 Lumens $119.00
XA971 13 W, 900 Lumens $145.00
XA251 Replacement Bulb, Rough Service - $12.50

LINDS Equipment

Model No. Description Price/Each
XX916 25 W, 2200 Lumens $289.00
XX974 25 W, 2200 Lumens $329.00

LINDS Equipment

VAPOUR-PROOF WORK LIGHTS

• Cool running and protected by a rugged, shatter-proof polycarbonate tube
• Includes an enclosed starter switch, rubber end caps, full-length reflector and hanging hook
• Moisture and dust resistant
• Yellow 18/2 SJTW cord
• Vapour-proof work lights suitable for areas where water vapour is present
• Certified for sale in Canada by an accredited certification body

Model No. Description Price/Each
XX300 13 W, 900 Lumens $149.00
XX331 13 W, 900 Lumens $175.00
XX251 Replacement Bulb, Rough Service - $12.50

LINDS Equipment

Model No. Description Price/Each
XX49 15 W, 920 Lumens $139.00
XX972 15 W, 920 Lumens $165.00
XX973 25 W, 2200 Lumens $289.00
XX974 25 W, 2200 Lumens $329.00

LINDS Equipment

TWIN-TUBE, COMPACT

Model No. Description Price/Each
XX46 13 W, 900 Lumens $119.00
XX971 13 W, 900 Lumens $145.00
XX251 Replacement Bulb, Rough Service - $12.50

LINDS Equipment

LINEAR TUBE

Model No. Description Price/Each
XX49 15 W, 920 Lumens $139.00
XX972 15 W, 920 Lumens $165.00
XX973 25 W, 2200 Lumens $289.00
XX974 25 W, 2200 Lumens $329.00

LINDS Equipment

VAPOUR-PROOF
WORK LIGHTS & CORD REELS

**LED WORK LIGHTS**
- Latest in LED technology brings bright, long-lasting and energy-efficient lighting to your toughest tasks
- Cool running, cold-temperature operable and highly energy efficient
- Bright white LED’s provide extremely long lamp life (50,000 hours average)
- 50 LED, 15’ 16/3 SJT cord, 13 A grounded outlet, removable magnet mount and dual hooks
- Includes: On/off switch, hanging hook and focused reflector
- Certified for sale in Canada by an accredited certification body

**Price/Each**: $125.00

Model No. XC413

**PORTABLE LED WORK LIGHT**
- Adjustable tilting head
- LED bulb included
- Certified for sale in Canada by an accredited certification body
- Lumens: 2500
- Wattage: 20
- Housing Material: Aluminum

**Model No.** XG16
**Price/Each**: $64.95

**TWIN-HEAD LED WORK LIGHT**
- Adjustable tripod for desired height
- Extendable tripod legs provide greater stability
- LED bulbs included
- Fixtures can adjust 120º
- Certified for sale in Canada by an accredited certification body
- Lumens: 4800
- Wattage: 40
- Housing Material: Aluminum

**Model No.** XG17
**Price/Each**: $155.00

**COMPACT FLUORESCENT HAND LAMPS**
- 26 W quad tube (1800 lumens)
- Minimal heat generation makes them ideal for use in confined, potentially explosive areas
- DuPont Zytel® outer construction is extremely rugged and leaves no exposed metal parts
- 16/3 SOOW cord with a non-explosion proof plug (explosion-proof plug is also available)
- Approved for Class I Division 1 Group C and D hazardous locations
- Certified for sale in Canada by an accredited certification body

**MODEL NO.**
- **XC417**: 48 LED Rechargeable Light with Carrying Case

**Price/Each**: $39.99

**HAZARDOUS LOCATION WORK LIGHTS**
- 100 W explosion proof light provides 1600 lumens of light output
- 16/3 SOOW cord with a non-explosion proof plug (explosion proof plug is also available)
- Approved for Class I Division I Group C and D hazardous locations
- Certified for sale in Canada by an accredited certification body
- 25’ CORD

**Model No.** XA269
**Price/Each**: $89.00

- **50’ CORD**

**Model No.** XA103
**Price/Each**: $85.00

- **100’ CORD**

**Model No.** XD059
**Price/Each**: $93.00

**REPLACEMENT BULB**
- **Model No.** XB123
**Price/Each**: $5.89

**RECHARGEABLE LED WORK LIGHTS**
- Cool running, cold-temperature operable, and highly energy efficient
- Bright white LED’s provide extremely long lamp life (50,000 hours average)
- Dual-stage switch provides two brightness levels
- NiMH battery operates 5-4 hours on high, and 7-8 hours on low setting
- Includes: Low-battery indicator, carrying case and charging cradle with battery monitor
- Certified for sale in Canada by an accredited certification body

**MODEL NO.**
- **XD051**: 48 LED Rechargeable Light with Carrying Case

**Price Each**: $39.99

**LINEAR FLUORESCENT LED STRINGLIGHTS**
- 50 W fluorescent lamp is rated for 14,000 hours, equivalent light output as a 300 W incandescent lamp
- Hanges 14” high with hooks
- 16/3 SJTOW cord
- Thick-walled polycarbonate outer tube is virtually indestructible
- Oversized end caps provide additional impact protection
- Feed-through receptacle allows lights to be strung together to light larger areas (up to 24 units)
- Moisture and dust resistant
- Certified for sale in Canada by an accredited certification body

**MODEL NO.**
- **XD063**: 35”, 50 W Linear Fluorescent

**Price**: $63.00

- **XD064**: 35”, 50 W Linear Fluorescent/Vapour Proof

**Price**: $67.00

- **XD854**: 35” LED Stringlights

**Price**: $87.00
HAND-HELD & PORTABLE FLOOD LIGHTS

- 500-watt weatherproof fixture
- 8', 16-gauge heavy-duty cord
- Comfortable foam grip (XA143 and XA145)
- Screw-type clamp mounts light anywhere you need it, including ladders or scaffolding (XA143)
- Lights up to 5000 sq. ft.
- Model XA146: Powerful 40 lbs. pull strength magnet quickly attaches to metal surfaces
- Model XA638: PVC coated solid steel base
- Certified for sale in Canada by an accredited certification body

BEACON 360° WIDE AREA LED LIGHT

- Light temperature: 6500K (bright white light - no blue tint)
- 13,000 lumens equivalent usable light of a 400 W metal halide
- Environmental rating: IP64 (weatherproof)
- Construction: Cast aluminum housing, polycarbonate lenses
- Switch: On/Off rocker switch
- Weight: 10 lbs. (light head only)
- Height: 14" (light head)
- Diameter: 6" (light head)
- 120 W
- Lighting range: 50'
- Approvals: cETLus portable work light

BEACON LED FLOODLIGHTS

- 50 W as bright as a 500 W quartz-halogen floodlight
- 30 W as bright as a 300 W quartz-halogen floodlight
- Low operating temperature, resulting in a safer working environment
- Low energy usage and no bulb replacement, resulting in large total cost of ownership savings
- High quality LEDs are rated for over 50,000 hours
- Durable aluminum housing and tempered glass lens
- IP66 environmental rating and starts instantly in cold weather
- 15' 18/3 SJOW cord
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA143</td>
<td>Hand-Held Flood Lights with Clamp</td>
<td>179.00</td>
</tr>
<tr>
<td>XA145</td>
<td>Hand-Held Flood Lights with Magnet</td>
<td>179.00</td>
</tr>
<tr>
<td>XA638</td>
<td>Industrial Portable Flood Lights</td>
<td>185.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE855</td>
<td>50 W LED Floodlight Base Model</td>
<td>299.00</td>
</tr>
<tr>
<td>XE862</td>
<td>30 W LED Rechargeable Floodlight Base Model</td>
<td>305.00</td>
</tr>
<tr>
<td>XE863</td>
<td>30 W LED Rechargeable Floodlight with Floor Stand</td>
<td>339.00</td>
</tr>
<tr>
<td>XE864</td>
<td>30 W LED Rechargeable Floodlight with Tripod</td>
<td>369.00</td>
</tr>
<tr>
<td>XE865</td>
<td>30 W LED Rechargeable Floodlight with Tripod</td>
<td>369.00</td>
</tr>
<tr>
<td>XE866</td>
<td>30 W LED Rechargeable Floodlight with Magnet Mount</td>
<td>369.00</td>
</tr>
<tr>
<td>XE867</td>
<td>30 W LED Rechargeable Floodlight with Clamp Mount</td>
<td>369.00</td>
</tr>
</tbody>
</table>
WORK LIGHTS & CORD REELS

TWIN HEAD HALOGEN WORK LIGHTS
- Twin 500-watt halogen lights
- Heat resistant tempered glass face
- Adjustable tripod for desired height
- Extendable tripod legs provide greater stability
- Colour: Black and yellow
- Halogen bulbs included
- Certified for sale in Canada by an accredited certification body

Model No. XC950
Price/Each $69.95

REPLACEMENT BULB
Model No. XC951
Price/Each $1.50

PORTABLE HALOGEN WORK LIGHTS
- 500-watt halogen work light
- Heat resistant tempered glass face
- Adjustable tilting head
- Colour: Black and yellow
- Halogen bulb included
- Certified for sale in Canada by an accredited certification body

Model No. XC949
Price/Each $24.95

REPLACEMENT BULB
Model No. XC951
Price/Each $1.50

HEAVY-DUTY MOLDED LED STRINGLIGHTS
- Rugged 12/3 or 12/2 SW cable is high visibility yellow
- Can be linked together for longer runs
- Sockets are rated for a max. 120 V, 150 W A23 bulbs
- Certified for sale in Canada by an accredited certification body

Model No. XE666
Price/Each $419.00

HEAVY-DUTY WORKLIGHTS
- 500-watt weatherproof fixture
- Tempered glass lens
- Chrome-plated, solid steel guard
- Shock-resistant double insulated wiring
- 500 W colour-corrected quartz halogen bulb included
- Powder-coated steel construction
- Rubber leg tips protect floors and surfaces
- Certified for sale in Canada by an accredited certification body

Model No. XA140
Price/Each $719.00

LED WORK LIGHTS
- LED bulbs last longer than Halogen, consumes less energy
- Stays cool to the touch even after hours of usage
- Impact resistant glass and durable aluminum housing
- Weather-protected sealed switch
- For indoor and outdoor use in dry locations
- Twin LED lights easily detach from tripod
- XE665: Unit includes tripod stand and (2) 2400 lumen LED lights

Model No. XE666
4800 40 W 140° 161.00

DUAL-HEAD LED TRIPOD WORK LIGHTS
- Stays cool to the touch even after hours of usage
- Impact resistant glass and durable aluminum housing
- Weather-protected sealed switch
- Non-slip soft grip carry handle
- Twin LED lights easily detach from tripod
- Lumens: 7200
- Wattage: 90 W
- Horse Material: Aluminum
- Lamp Life: 50,000 hrs.
- Cord Length: 10'
- Lighting Range: 210'

Model No. XE750
Price/Each $260.00

ENERGY EFFICIENT FLUORESCENT FLOODLIGHTS
- 65 W cool-running, energy efficient fluorescent floodlight
- Light output equivalent to 300 W incandescent but with much less energy use
- Aluminium frame, tempered glass lens
- Energy Star® certified

Model No. XE469
Price/Each $105.00

1 TO 3 TELESCOPIC
- 8’, 16-gauge heavy-duty chemical and abrasion resistant cord
- Collapsible steel base
- Lights up to 6000 sq. ft.

Model No. XA150
Price/Each $179.00

4 TO 8 TELESCOPIC
- Double-reinforced sandbaggable steel base expands to 48”
- 15, 16-gauge heavy-duty chemical and abrasion resistant outdoor cord
- Lights up to 7000 sq. ft.

Model No. XA141
Price/Each $279.00

4 TO 8 TELESCOPIC TWIN
- Twin 500-watt heads
- Fixtures independently adjustable 360°
- Two 10 A switches
- Double-reinforced sandbaggable steel base expands to 48”
- 15, 16-gauge heavy-duty chemical and abrasion resistant cord
- Lights up to 16 000 sq. ft.

Model No. XA140
Price/Each $179.00

ACCESSORIES

Model No. Description
XB119 Standard Cool Replacement Bulb 2.89
SA0746 Replacement Plastic Head 4.55
SA0747 Replacement Metal Head 12.90

SHIPPING & PACKAGING

INSTRUMENTS, ELECTRICAL & OFFICE PRODUCTS

Welding & Metalworking Tools & Equipment 1506

Material Handling & Storage Janitorial & Maintenance 1506

Safety Equipment & Supplies
**WOBBLELIGHT® SELF-RIGHTING WORK LIGHTS**

Bright and dependable, the self-righting Wobbblelight® delivers maximum light output in a highly durable and portable package with no hot surfaces.

- Ideal anywhere temporary high-output lighting is needed, such as indoor and outdoor construction sites, manufacturing, plant maintenance, fire & rescue
- Floating shock system protects bulb from impact
- Counter-weighted self-righting design
- 360° lighting output adjustable to 180° with optional reflector
- Optional nylon reflector shield allows you to maintain 100% light source and focus it
- Internal ventilation system keeps light cool to the touch
- No set up – plugs into 120 VAC supply
- Available in 27” and 36” Heights
- Model XC332, XC334 & XE603 include receptacle for connecting units in a series
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Light Output Lumens</th>
<th>Lighting Area</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC746</td>
<td>WL857</td>
<td>85 W Fluorescent, 27” High</td>
<td>5000</td>
<td>20°</td>
<td>$199.00</td>
</tr>
<tr>
<td>XC332</td>
<td>WL175MH</td>
<td>175 W Metal Halide, 36” High</td>
<td>55000</td>
<td>30-42”</td>
<td>$399.00</td>
</tr>
<tr>
<td>XC334</td>
<td>WL400MH</td>
<td>400 W Metal Halide, 36” High</td>
<td>40000</td>
<td>78-110”</td>
<td>$499.00</td>
</tr>
<tr>
<td>XE603</td>
<td>11136LED</td>
<td>65 W LED, 36” High</td>
<td>5500</td>
<td>30°</td>
<td>$1249.00</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC747</td>
<td>W168210</td>
<td>180° Arc Reflector Shield for XC746</td>
<td>$26.90</td>
</tr>
<tr>
<td>XC335</td>
<td>W152210</td>
<td>180° Arc Reflector Shield for XC332, XC334 &amp; XE603</td>
<td>$27.50</td>
</tr>
<tr>
<td>XC749</td>
<td>111810</td>
<td>Replacement Transparent Dome w/Cap for XC746</td>
<td>$64.90</td>
</tr>
<tr>
<td>XC653</td>
<td>111801</td>
<td>Replacement Transparent Dome w/Cap for XC332, XC334 &amp; XE603</td>
<td>$72.50</td>
</tr>
</tbody>
</table>

**REPLACEMENT BULBS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC748</td>
<td>W162200</td>
<td>Replacement Bulb for XC746</td>
<td>$45.90</td>
</tr>
<tr>
<td>XE706</td>
<td>64030</td>
<td>Replacement Bulb for XC332</td>
<td>$20.90</td>
</tr>
<tr>
<td>XE454</td>
<td>M600U/ET18</td>
<td>Replacement Bulb for XC334</td>
<td>$28.90</td>
</tr>
<tr>
<td>XE332</td>
<td>111965</td>
<td>Replacement Bulb for XE603</td>
<td>$325.00</td>
</tr>
</tbody>
</table>

**DEFENDER® ECO UPLIGHTS**

- Tripod base
- Available in a two foot or four foot versions
- Integrated and collapsible legs opening up to 30” diameter for exceptional stability
- Tripod base is collapsible and locking
- IP44 design for dust and water resistance
- 5½-ft. power cord
- Adjustable nylon carrying strap
- Removable threaded hooks for hanging
- Low energy consumption
- Lamp life of 20,000 hours
- Removable reflector for 360° lighting
- Certified for sale in Canada by an accredited certification body

**MINI MOBI LED INSPECTION LIGHTS**

- 20 LEDs deliver 55 lumens
- Wide spread beam of clean white light
- Tough ABS body, rubber over-mold and shatterproof lens
- Integrated floor stand, hanging hook and magnet offer multiple working positions
- Run time: 3 hours (high) – 8 hours (70% power)
- Includes 3 AA batteries
- Ideal for: Construction, industrial, maintenance industries

Model No. XD067
Mfg. No. E712848
Price Each $33.90

**REPLACEMENT BATTERIES**

- AA, alkaline batteries, 24/pkg.
Model No. XB872
Price/Each $16.80
**HANG-A-LIGHT® WORK LIGHTS**

The Hang-A-Light® is a high-output temporary lighting fixture that gives 360° light with low-cost operation.

**HANG-A-LIGHT® FLUORESCENT**
- Energy efficient: 105 watt fluorescent bulb
- Self-ballasted CFL bulb, lightweight and flicker-free
- Lumens: 6900
- Lighting area: 20-30’
- Electrical receptacle, interconnect up to 8 units on a 120 V/15 A service
- 6 integrated power cord
- Certified for sale in Canada by an accredited certification body

**HANG-A-LIGHT® TEMPORARY AREA LED LIGHT**
- Portable LED lamp that is ideal for use in many different work environments
- Can be interlinked with other units
- Spring loaded clamp makes hanging the unit easy
- Has a 5’ integrated power cord
- No hot surfaces
- Lumens: 5500
- Lighting Range: 30’
- Lamp Life: 30,000 hrs.
- Certified for sale in Canada by an accredited certification body

**HANG-A-LIGHT® TEMPORARY AREA LED LIGHT**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE602</td>
<td>N11100PS</td>
<td>Replacement Bulb for XE602</td>
<td>59.50</td>
</tr>
<tr>
<td>XD065</td>
<td>N11005PS</td>
<td>Replacement Bulb for XD065</td>
<td>59.50</td>
</tr>
<tr>
<td>XC754</td>
<td>N11105F</td>
<td>Hang-A-Light®, 105 W Fluorescent</td>
<td>179.00</td>
</tr>
<tr>
<td>XC754</td>
<td>N11005GLED</td>
<td>Hang-A-Light®, 65 W Portable LED lamp</td>
<td>649.00</td>
</tr>
<tr>
<td>XD065</td>
<td>N11100PS</td>
<td>Hang-A-Light®, 400 W Pulse Start Metal Halide</td>
<td>239.00</td>
</tr>
<tr>
<td>XE602</td>
<td>N11005GLED</td>
<td>Hang-A-Light®, 65 W Portable LED lamp</td>
<td>649.00</td>
</tr>
</tbody>
</table>

**9430 REMOTE AREA LIGHTING SYSTEMS**
- Up to 15 hours of burn time
- High flux LED, 50,000 hour life
- 1500 lumens at low setting
- 3000 lumens at high setting
- Maintenance-free LED array with life expectancy of 50,000 hours
- Fully extendable mast with 360° rotating head
- 12 V rechargeable, sealed battery
- Battery run time: 15 hours at low setting, 8 hours at high setting
- Battery charge time: 5 hours from full discharge
- Low battery warning system
- Waterproof rubber activation switch
- Mast extension lock
- Certified for sale in Canada by an accredited certification body

Model No. XE817
Price/Each $1249.00

**9460RS REMOTE AREA LIGHTING SYSTEMS**
- High flux LED, 50,000 hour life
- 500 lumens at low setting
- 6000 lumens at high setting
- Two lamp heads with six LEDs per head
- 120° beam spread
- 12 V rechargeable, sealed battery
- Battery run time: 10 hours at low setting, 7 hours at high setting
- Battery charge time: 6 hours from full discharge
- Features two remote control activation devices, multi-terrain trolley, a 12 V power supply port
- Remote control devices can be used 60’ away
- Certified for sale in Canada by an accredited certification body

Model No. XE818
Price/Each $2965.00

**9480 REMOTE AREA LIGHTING SYSTEMS**
- Lighting system with 3 preset output levels (1000, 3000 or 4000 lumens)
- Includes a mast with an extended height of 23.75” and 340° rotation
- Very versatile system with multiple deployment positions
- Maintenance free LED array with 50,000 hour life expectancy
- Includes a convenient shoulder strap
- Uses a 12 V rechargeable sealed lead acid (SLA) battery
- Battery lasts between 6 and 28 hours depending on which output level is used
- Lighting range is highly variable and depends on the system’s set-up
- Lamp Type: High Flux LED
- Wattage: 41.1 W
- Lamp Life: 50,000 hrs.
- Housing Material: Polypropylene
- Certified for sale in Canada by an accredited certification body

Model No. XE696
Price/Each $1129.00
HAND-WIND ELECTRIC CABLE REELS

- Provides a portable power centre for tools and equipment
- Frame is made from heavy-duty steel tubing, and features a contoured comfort grip
- Side discs are rolled to provide increased rigidity and strength
- Powder coated for a long-lasting, tough finish
- Equipped with four 120 V 15/20 A T-slot receptacles and 120 V 15 A plug
- LED illuminates to indicate that the reel is connected to power
- Resettable circuit breaker protects against overloads
- Receptacles are recessed for protection against impact and inadvertent contact
- Enclosed terminals at the centre of the reel hub prevent users from contacting live connections
- Dimensions: 17 1/2" L x 11 1/2" W x 18" H
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC410</td>
<td>Pigtail, Ready for Winding Your Existing Extension Cord</td>
<td>265.00</td>
</tr>
<tr>
<td>XC411</td>
<td>Reel w/ 100' 12/3 SJOW Cord w/ Plug</td>
<td>589.00</td>
</tr>
<tr>
<td>XC412</td>
<td>Reel w/ 50' 12/3 SJOW Cord w/ Plug</td>
<td>419.00</td>
</tr>
</tbody>
</table>

LE9000 SERIES
HEAVY-DUTY CORD REELS

- Durable all-steel weatherproof construction, NEMA4 weatherproof rating
- Adjustable cable guide arm (12 positions)
- Strong ratchets can be disengaged for constant tension
- Adjustable ball stop
- 6' feeder cord
- Standard SJOW or SOW cable
- Approvals: CSA, UL

LED WORK LIGHT REELS

- Reach your light to where you need it most, with 30 or 50 feet of cable
- Bright white LEDs on lights last for an average of 50,000 hours
- Tough metal reel housing stands up to abuse
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC414</td>
<td>30' of 16/3 SJTW Cord, 80-LED Work Light w/10 A Outlet</td>
<td>185.00</td>
</tr>
</tbody>
</table>

DATA CORD REELS

LE2300 SERIES RETRACTABLE DATA REELS

- Robust spring technology
- Compact and lightweight design
- Ideal in conference rooms or other areas where instant data connections are required without the mess of stray wires
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD056</td>
<td>CAT5 Cable, Retractable Data Reel</td>
<td>219.00</td>
</tr>
<tr>
<td>XD057</td>
<td>USB Cable, Retractable Data Reel</td>
<td>215.00</td>
</tr>
</tbody>
</table>

HEAVY-DUTY LED WORK LIGHTS & CORD REELS

- Virtually indestructible with a polycarbonate lens and rubber handle
- 50,000 hour LED technology means never having to change a bulb again
- XD647 has the same usable light output as a 13 W fluorescent work light
- XD647 also operates as a flashlight with a 1 W LED light on the end
- Standard with 25' of 18/2 SJTW cord
- Also available on a 40' cord reel
- Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD647</td>
<td>8 W LED Work Light</td>
<td>179.00</td>
</tr>
<tr>
<td>XD649</td>
<td>40' Cord Reel w/8 W LED Work Light</td>
<td>295.00</td>
</tr>
</tbody>
</table>

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**WORK LIGHTS & CORD REELS**

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**WORK LIGHTS & CORD REELS**

Positive latching mechanism allows the cord to be extended to any length required and automatically held in place. An adjustable ball stop provides easy height adjustment. Hardware included for either ceiling or wall mount.

### INDUSTRIAL CORD REELS

- Provide secure wall or ceiling mounting
- A release tab on the mounting bracket quickly and easily converts the reel from stationary to portable use
- Large, comfortable carrying handle
- The non-metallic composite housing ensures a prolonged, corrosion-free service life
- Certified for sale in Canada by an accredited certification body

#### INDUSTRIAL 15 A CORD REELS

- Four 5-20R grounded outlets providing a full 15 A of power
- Power "ON" light indicator
- 26' of 12/3 SJTOW oil resistant and cold weather flexible cable
- Strong steel housing and epoxy finish enable the reel to be used in most industrial environments
- 15 A Circuit breaker protection against power overloads, which have the potential to cause electrical fires
- Hardware for ceiling or wall mounting included
- Certified for sale in Canada by an accredited certification body

### FLUORESCENT WORK LIGHT REELS

- 13 W compact fluorescent work light is cool running
- Includes switch, hanging hook and full-length reflector
- Shatter-proof polycarbonate shield allows tool-free lamp replacement
- Light output is 900 lumens
- Certified for sale in Canada by an accredited certification body

### EXTENSION REELS

- Triple outlet extension reel accommodates three tools
- Circuit breaker protects against power overloads, which can cause electrical fires
- Certified for sale in Canada by an accredited certification body

### INGREDIENTS & SUPPLIES

- XA412
- XA921
- DB978

---

### MODEL NO. DATABASE

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cable Length</th>
<th>Outlet Type</th>
<th>Description</th>
<th>Price (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB978</td>
<td>40</td>
<td>Triple Outlet</td>
<td>12/3 SJTW</td>
<td>15 A, Breaker Protected</td>
</tr>
<tr>
<td>DB979</td>
<td>50</td>
<td>Triple Outlet</td>
<td>14/3 SJTW</td>
<td>13 A, Breaker Protected</td>
</tr>
<tr>
<td>DB980</td>
<td>50</td>
<td>Incandescent Light</td>
<td>14/3 SJTW</td>
<td>13 A, Breaker Protected</td>
</tr>
<tr>
<td>DB981</td>
<td>50</td>
<td>26 W Fluorescent Light</td>
<td>16/3 SJTW</td>
<td>7 A</td>
</tr>
</tbody>
</table>

### CORD REELS

Spring retractable cord reels are available in 3 styles. Standard female receptacle, LED and fluorescent lamp. Engineered for industrial use, these units are also compact, can be installed on walls, ceilings or under a tool bench.

- Dimensions: 12 5/8" L x 9 3/8" W x 13 1/4" H.
- All units feature 125 V SJTOW cord.
- Certified for sale in Canada by an accredited certification body.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max. Amps</th>
<th>Cable Length</th>
<th>Gauge</th>
<th>Wt. Lbs.</th>
<th>Price (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TB516</td>
<td>13</td>
<td>50</td>
<td>16/3</td>
<td>27</td>
<td>$675.00</td>
</tr>
<tr>
<td>FLUORESCENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XA174</td>
<td>0.3</td>
<td>50</td>
<td>16/2</td>
<td>26</td>
<td>$644.00</td>
</tr>
<tr>
<td>SINGLE OUTLET</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XA172</td>
<td>13</td>
<td>50</td>
<td>16/3</td>
<td>26</td>
<td>$552.00</td>
</tr>
</tbody>
</table>
GLACIER FLEX™ 3-OUTLET ENGINE BLOCK HEATER CORDS

- 3 conductors, SJTW -50°C, 300 V grounding
- Water-resistant
- Flame retardant
- Ultra flexible
- Nickel-coated brass blades resist corrosion
- Temperature range from -50°F to +140°F (-50°C up to +60°C)
- Primelight® indicator light flashes blue and red when power is on

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC730</td>
<td>15</td>
<td>16/3</td>
<td>15</td>
<td>1625</td>
<td></td>
<td>21.50</td>
</tr>
</tbody>
</table>
EXTENSION CORDS & OUTLETS

ALL WEATHER TPE-RUBBER EXTENSION CORDS WITH LIGHT INDICATOR

- Designed for industrial and contractor use
- All-weather jacket provides ultra flexibility and superior performance in extreme climate conditions at temperatures from -50°C to 105°C
- Provides outstanding resistance against rough use, sunlight, chemicals and moisture
- Water-resistant and flame retardant
- Lighted connectors allow you to see when the power is in use
- Molded-on and bonded plugs and connectors resist breaking

3-CONDUCTOR SJEOW, 300 V GROUNDING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XC500</td>
<td>25</td>
<td>14/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>28.10</td>
</tr>
<tr>
<td>XC501</td>
<td>50</td>
<td>14/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>32.00</td>
</tr>
<tr>
<td>XC502</td>
<td>100</td>
<td>14/3</td>
<td>15</td>
<td>1625</td>
<td>Blue/Orange</td>
<td>99.70</td>
</tr>
<tr>
<td>EXTRA HEAVY-DUTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XC503</td>
<td>25</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>28.60</td>
</tr>
<tr>
<td>XC504</td>
<td>50</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>73.95</td>
</tr>
<tr>
<td>XC505</td>
<td>100</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>145.00</td>
</tr>
</tbody>
</table>

ARCTIC BLUE™ ALL-WEATHER TPE-RUBBER LIGHTED END EXTENSION CORDS W/PRIMELOK® & PRIMELIGHT®

- Arctic Blue™ cords are designed for use by contractors and industrial personnel, providing an all weather cordset made for outstanding performance in extreme climate conditions at temperatures from -58°F to 221°F (-50°C to 105°C)
- One-third lighter than standard rubber cords
- Provides superior resistance to sunlight, ozone, cracking, oils and chemicals and are outstanding in resistance to abuse, rough handling and wear
- Flame retardant and water resistant
- Distinctive orange stripe extruded into the cord
- Primelok® keeps power tool connections from coming loose
- Primelight® indicator light allows you to see there is power to the cord

3-CONDUCTOR SJEOW, 300 V GROUNDING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price/Each</th>
</tr>
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<tbody>
<tr>
<td>XB894</td>
<td>25</td>
<td>14/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>36.50</td>
</tr>
<tr>
<td>XB895</td>
<td>50</td>
<td>14/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>67.90</td>
</tr>
<tr>
<td>XB896</td>
<td>100</td>
<td>14/3</td>
<td>15</td>
<td>1625</td>
<td>Blue/Orange</td>
<td>115.00</td>
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<tr>
<td>EXTRA HEAVY-DUTY</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>XB897</td>
<td>25</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>47.90</td>
</tr>
<tr>
<td>XB898</td>
<td>50</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>88.90</td>
</tr>
<tr>
<td>XB899</td>
<td>100</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Blue/Orange</td>
<td>169.00</td>
</tr>
</tbody>
</table>

ARCTIC BLUE™ ALL-WEATHER TRIPLE TAP TPE-RUBBER LIGHTED END EXTENSION CORDS W/PRIMELIGHT®

- Arctic Blue™ cords are designed for use by contractors and industrial personnel
- All weather cordset made for outstanding performance in extreme climate conditions at temperatures from -58°F to 221°F (-50°C to 105°C)
- Superior resistance to ozone, oils, chemicals and rough handling
- Flame retardant and water resistant
- Primelight® indicator light allows you to see there is power to the cord
OUTDOOR VINYL EXTENSION CORDS WITH LIGHT INDICATOR

• Designed for industrial and contractor use
• Vinyl jacket protects against rough use, chemicals, and moisture
• Ultra flexible cord
• Lighted connectors allow you to see when the power is in use
• Molded-on and bonded plugs and connectors resist breaking
• Water-resistant and flame retardant

3-CONDUCTOR SJTOW, 300 V GROUNDING, OIL RESISTANT

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTRASAVER-HEAVY-DUTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XC494</td>
<td>25</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Yellow</td>
<td>40.10</td>
</tr>
<tr>
<td>XC495</td>
<td>50</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Yellow</td>
<td>70.90</td>
</tr>
<tr>
<td>XC496</td>
<td>100</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Yellow</td>
<td>132.00</td>
</tr>
</tbody>
</table>

OUTDOOR TRIPLE TAP VINYL EXTENSION CORDS WITH LIGHT INDICATOR

• Same great features as outdoor single tap vinyl extension cords but with a lighted triple tap connector

3-CONDUCTOR SJTOW, 300 V GROUNDING, OIL RESISTANT

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTRASAVER-HEAVY-DUTY</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>XC497</td>
<td>25</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Yellow</td>
<td>46.75</td>
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<tr>
<td>XC498</td>
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<td>15</td>
<td>1875</td>
<td>Yellow</td>
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<tr>
<td>XC499</td>
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<td>15</td>
<td>1875</td>
<td>Yellow</td>
<td>134.00</td>
</tr>
</tbody>
</table>

INDOOR/OUTDOOR STANDARD-DUTY EXTENSION CORDS

• Designed for light industrial, contractor, and home use
• Durable SJTW jacket protects against ultraviolet rays, chemicals and moisture
• Extremely flexible jacket
• Molded-on and bonded plugs and connectors resist breaking

3-CONDUCTOR SJTW, 125 V GROUNDING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price /Each</th>
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</thead>
<tbody>
<tr>
<td>XC630</td>
<td>10</td>
<td>16/3</td>
<td>13</td>
<td>1625</td>
<td>Orange</td>
<td>10.45</td>
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<td>XC631</td>
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<td>16/3</td>
<td>13</td>
<td>1625</td>
<td>Orange</td>
<td>16.50</td>
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<td>XC632</td>
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<td>16/3</td>
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<tr>
<td>XC633</td>
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<td>13</td>
<td>1625</td>
<td>Orange</td>
<td>39.10</td>
</tr>
</tbody>
</table>

WIND-UP EXTENSION CORD

• 4 Grounded outlets
• Built-in resettable circuit breaker
• Length: 25’
• Gauge (AWG): 16/3
• Amperage: 10 A
• Wattage: 1250 W
Model No. XE671
Price/Each $38.30

EXTENSION REELS

• Triple-outlet extension reel accommodates three tools
• Circuit breaker protects against power overloads, which can cause electrical fires
• Certified for sale in Canada by an accredited certification body

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Cable Length</th>
<th>Outlet Description</th>
<th>Rating</th>
<th>Price /Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Model Information]</td>
<td>[Cable Length]</td>
<td>[Outlet Description]</td>
<td>[Rating]</td>
<td>[Price /Each]</td>
</tr>
<tr>
<td>XA154</td>
<td>30</td>
<td>143 SJT Cord</td>
<td>10 A</td>
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<tr>
<td>XB281</td>
<td>30</td>
<td>143 SJT Cord</td>
<td>13 A</td>
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</table>
EXTENSION CORDS & OUTLETS

NEON FLEX® HIGH VISIBILITY NEON COLOUR OUTDOOR EXTENSION CORDS W/PRIMELIGHT®

- Combine all the features of a standard vinyl outdoor extension cord with ultra-high-visibility neon colours
- Brighter than other coloured cords and also extremely shiny
- Nickel coated brass blades resist corrosion
- Primelight® connector allows you to see when the power is on
- Ultraflexible, contractor tough
- Provides same performance in extreme climate conditions at temperature from -58°F to 140°F (-50°C to 60°C)

3-CONDUCTOR SJTW, 300 V GROUNDING

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Length'</th>
<th>AWG</th>
<th>Amps</th>
<th>Watts</th>
<th>Colour</th>
<th>Price /Each</th>
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<tr>
<td>XB890</td>
<td>50</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Neon Green</td>
<td>80.90</td>
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<tr>
<td>XB891</td>
<td>100</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Neon Green</td>
<td>139.00</td>
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<tr>
<td>XB892</td>
<td>50</td>
<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Neon Pink</td>
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<tr>
<td>XB893</td>
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<td>12/3</td>
<td>15</td>
<td>1875</td>
<td>Neon Pink</td>
<td>139.00</td>
</tr>
</tbody>
</table>

THE PRO-TEC-TOR™ CIRCUIT BREAKER EXTENSION CORD

- The only extension cord with a circuit breaker that can be reset right at the outlet end
- Protects cordset from equipment overload, which can cause electrical fires
- Safety yellow SJTW cord
- Certified for sale in Canada by an accredited certification body

HEAVY-DUTY NEOPRENE EXTENSION CORDS

- Designed to provide longer life in the most demanding environments, such as industrial, mining, and construction sites
- Made of heavy-duty rubber suitable for indoor and outdoor applications requiring flexibility and mechanical toughness
- Exceptional resistance to oil, moisture, ozone, sunlight, chemicals, cuts, cracking, and abrasions
- Stays flexible, even at -40°F (-40°C) and resists heated objects and oils up to 194°F (90°C)
- 600 V SOOW cable has oil-resistant double-thick outer jacket and oil-resistant inner insulation
- Includes rugged nylon plug and connector rated for 125 V 15 A (NEMA 5-15)
- Certified for sale in Canada by an accredited certification body
GFCI QUAD OUTLET BOXES
- Four GFCI protected NEMA 5-15R outlets enclosed in an impact resistant polymer case with spring-loaded covers
- 6’ 12/3 SJTW cord
- 120 V/15 A
- Certified for sale in Canada by an accredited certification body
Model No. XA467
Price/Each $179.00

IN-LINE GFCI CORD SETS
- Excellent for use with high pressure washers, power drain snakes, submersible pumps and any equipment used in or around wet areas
- Rainproof rated with booted test and reset buttons
- Standard 14” length (other lengths available upon request)
- Certified for sale in Canada by an accredited certification body
NOTE: XA466 includes 120 V/20 A straight blade ends

SHOCKSAFE® INLINE GFCI TRIPLE-TAP ADAPTER
- Triple lighted tap
- 3’ 12/3 SJTW cord
- 125 V/15 A
Model No. XC614
Price/Each $51.50

GFCI & CIRCUIT TESTER
- Increasing the test impulse setting until the GFI trips, will determine the leakage-current trip point for the GFCI under test
- Meter produces adjustable mA test impulses at 4-second intervals
- Tests and indicates condition of GFCI’s and circuits
- Easy-to-read indicator lights display wiring errors
- Adjustable test impulses
- 0 mA and 3 mA trip - unit too sensitive
- 5 mA and 7 mA trip - unit acceptable
- 10 mA and 30 mA trip - unit not safe
Model No. HC704
Price/Each $299.00

LIND Equipment
PLUG & CORD SETS
- Ideal for use with any equipment used in or around wet areas
- Rainproof rated with booted test and reset buttons
- 9” 14/3 SJTW cord
- NEMA 5-15 P & R, 120 V/15 A
- Certified for sale in Canada by an accredited certification body
Model No. XA463
Price/Each $46.90

LIND Equipment
GFCI PROTECTED TRI-CORDS
- Features three NEMA 5-15R receptacles at the end of a heavy-duty molded T-head
- Perfect for outdoor, rugged, construction type environments
- 2’ 12/2/3 SJTW cord
- 120 V/15 A
- Certified for sale in Canada by an accredited certification body
Model No. XA468
Price/Each $58.50
Model No. XCS19
Price/Each $78.90

LIND Equipment
GFCI & CIRCUIT TESTER
- Increasing the test impulse setting until the GFI trips, will determine the leakage-current trip point for the GFCI under test
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- Meter produces adjustable mA test impulses at 4-second intervals
- Tests and indicates condition of GFCI’s and circuits
- Easy-to-read indicator lights display wiring errors
- Adjustable test impulses
- 0 mA and 3 mA trip - unit too sensitive
- 5 mA and 7 mA trip - unit acceptable
- 10 mA and 30 mA trip - unit not safe
Model No. HC704
Price/Each $299.00

GREENLEE
SHOCKSAFE® INLINE GFCI TRIPLE-TAP ADAPTER
- Triple lighted tap
- 3’ 12/3 SJTW cord
- 125 V/15 A
Model No. XC614
Price/Each $51.50

LIND Equipment
PLUG & CORD SETS
- Ideal for use with any equipment used in or around wet areas
- Rainproof rated with booted test and reset buttons
- 9” 14/3 SJTW cord
- NEMA 5-15 P & R, 120 V/15 A
- Certified for sale in Canada by an accredited certification body
Model No. XA463
Price/Each $46.90

LIND Equipment
GFCI PROTECTED TRI-CORDS
- Features three NEMA 5-15R receptacles at the end of a heavy-duty molded T-head
- Perfect for outdoor, rugged, construction type environments
- 2’ 12/2/3 SJTW cord
- 120 V/15 A
- Available with right angle plug (XA468) or with in-line plug (XCS19)
- Certified for sale in Canada by an accredited certification body
Model No. XA468
Price/Each $58.50
Model No. XCS19
Price/Each $78.90

GFCI's are complex devices that save lives and protect equipment every day in tough work environments. Whether it is due to water or damaged equipment and cords, ground faults can occur quickly and, if not resolved immediately, can result in severe injury or electrocution.

A GFCI, by standards definition, must trip the circuit if a ground fault occurs with a maximum of 6 mA of current loss to ground. If a ground fault is sensed, a Class A GFCI will trip in less than 25 ms, protecting you and your workers.

Rule 76-016 of the Canadian Electrical Code (2006 and 2009) states that, on demolition and construction projects, all 15 A and 20 A temporary receptacles (e.g. extension cords) MUST be protected with a Class A type GFCI.

Many provinces also require that ALL receptacles used to power portable tools and equipment MUST be protected with a Class A GFCI.
EXTENSION CORDS & OUTLETS

**GFCI OUTLET ADAPTORS W/SURGE PROTECTION**
- Small size (less than 2" W x 3" H)
- Makes them ideal for the toolbox
- X8069 includes booted test and reset buttons
- NEMA 5-15 P & R, 120 V/15 A
- Certified for sale in Canada by an accredited certification body

Model No. X8069  Yellow
Price/Each $40.50

**USER ATTACHABLE GFCI PLUGS**
- Replaces any standard NEMA 5-15 P plug on cords between 12-18 AWG (SJT)
- For use where the GFCI is needed as a permanent part of the tool or appliance
- Rainproof rated with booted test and reset buttons
- NEMA 5-15 P, 120 V/15 A
- Certified for sale in Canada by an accredited certification body

Model No. XA442
Price/Each $66.50

**AC VOLTAGE DETECTORS**
- Detects for the presence of AC voltage without contact
- Signals the presence of voltage with an LED light and audible buzzer
- Built-in flashlight
- Doubly-insulated housing for increased safety
- UL approved
- Cat. III 1000V, Cat. IV 600V safety ratings
- AC Voltage Range: 90 to 1000V
- Max. Working Current: 32mA
- Includes: 2 "AAA" alkaline batteries

**FLOORTRAKS®**
- Ideal for cables that run over the floor where portable cords and cables cannot be concealed
- Flexible, non metallic cover
- Protects, organizes and reduces trip hazards
- Available in three different sizes
- Handles cables up to 1.25" (31.8 mm) in diameter

**SURGE PROTECTOR**
- Provides extra power for home electronics
- Clear Power® auto shutoff safeguard
- $100,000 connected equipment warranty
- No. of Outlets: 6
- Cord Length: 4'
- Rated Joules: 1000 J
- Voltage: 12 V

Model No. XC100
Mfg.No PRB02225
Price/Each $13.90

**USER ATTACHABLE INLINE GFCI**
- Easily wires onto cord between 12-18 AWG (SJT)
- Can be placed at any location on the cord set
- Rated for up to 20 amps to allow for use on equipment that operates on either a 15 A or 20 A circuit
- For use where the GFCI is needed as a permanent part of the tool or appliance
- Rainproof rated with booted test and reset buttons
- 120 V/20 A
- Certified for sale in Canada by an accredited certification body

Model No. XB070
Price/Each $87.50

**1150 JOULES SURGE PROTECTORS**
- Provide extra power outlets for home electronics in the workshop, the kitchen, or the office
- Features high energy absorbing joule ratings and EMI/RFI filters
- Clear Power® auto shutoff safety device shuts power off after absorbing a major spike
- Lighted On/Off circuit breaker switch
- 6 outlet black metal housing prevents damage to the casing
- 14/3 SJT snug plug low profile power cord
- 15 A, 1875 W
- $200,000 connected equipment warranty
- Length: 15'

Model No. XC1042
Mfg.No PRB02135
Price/Each $33.50

DIMENSIONS OF FLOORTRAKS®

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Length'</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA042</td>
<td>FloorTrak® 2</td>
<td>10</td>
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<tr>
<td>XA043</td>
<td>FloorTrak® 3</td>
<td>5</td>
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<tr>
<td>XA046</td>
<td>FloorTrak® 4</td>
<td>5</td>
</tr>
</tbody>
</table>

**DIMENSIONS OF FLOORTRAKS®**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Width</th>
<th>Height</th>
<th>Ctr. Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA042</td>
<td>FloorTrak® 2</td>
<td>2.75&quot;</td>
<td>0.53&quot;</td>
<td>0.60&quot; x 0.31&quot;</td>
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<tr>
<td>XA043</td>
<td>FloorTrak® 3</td>
<td>1.25&quot;</td>
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<td>0.75&quot; x 0.50&quot;</td>
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<tr>
<td>XA046</td>
<td>FloorTrak® 4</td>
<td>1.00&quot;</td>
<td>1.00&quot;</td>
<td>1.25&quot; x 0.75&quot;</td>
</tr>
</tbody>
</table>
EXTENSION CORDS & OUTLETS

750 JOULES 6-OUTLET SURGE PROTECTORS
- Provides extra power for home electronics
- Features high energy joule rating
- Clear Power® auto shut-off safeguard shuts power off after absorbing a major spike
- $100 000 connected equipment warranty
Model No. XC670
Price/Each $11.50

400 JOULES 6-OUTLET SURGE PROTECTOR
- 125 V / 15 A, 1875 W
- Clear Power® auto shut-off safeguard shuts power off after a major spike
- $300 000 connected equipment warranty
Model No. XC616
Price/Each $10.50

ROTATING SURGE TAPS
- 6 protected grounded rotating outlets
- 2160 Joules, 15 A / 125 V
- Clear Power® auto shut-off safeguard shuts power off after a major spike
Model No. XC621
Price/Each $31.50

SURGE SUPPRESSOR
- Ideal for multiple electronic devices
- Lighted on/off switch with built-in circuit breaker
- Protects against damage caused by power spikes
- No. of Outlets: 6
- Cord Length: 3'
- Rated Jules: 200
- Max. Amps: 15 A
- Wattage: 1875 W
Price/Each $8.95

4', 12-OUTLET POWER BARS
- Provides extra power for home electronics
- 6', 14/3 extension cord
- Lighted on/off circuit breaker
- Mounting hardware included
- 5-year warranty
Model No. XC291
Price/Each $40.50

AIR CONDITIONER & MAJOR APPLIANCES EXTENSION CORDS
- Molded-on bonded vinyl plugs and connectors will not break off or pull apart
- Cord resists cracking and breaking
- 3-conductor SPT-3
- 15 A, 1875 W
- 14/3 SPT cable
Model No. XC156
Length: 3' Price/Each $3.99
Model No. XC157
Length: 6' Price/Each $4.19

For air conditioners, please see pages 1469-1470

WORKSHOPS STRIPS
- Additional grounding outlets from a single outlet source
- 8 outlets: 5 standard, 3 wide space
- 6', 14/3 cord
- Metal housing prevents damage to the casing
- Lighted on/off circuit breaker
- Mounting hardware included
- 5-year warranty
Model No. XC040
8 outlet metal shop box Price/Each $36.50

GENERATOR "Y" CORDS
- 20 A T-blade plug to 20 A T-slot connectors
- Enables user to draw full 20 A load (5 more amps than a standard U-Ground connector)
- 25' 12/3 STOW wire
- 20 A / 125 V / 2500 W
- PrimeLight® power indicator light indicates when power is ON
- Double-jacketed, super abrasion resistant
- Oil and water resistant
- Flame retardant
- Ultra-flexible in extreme temperatures from -58ºF to +221ºF (-50ºC to +105ºC)
- For use with virtually all generators
- Used for lighting, small air conditioners, air compressors, water pumps, power tools and equipment with 1 HP rating
Model No. XD001
Price/Each $83.50

For air conditioners, please see pages 1469-1470
EXTENSION CORDS & OUTLETS

USB CHARGING SURGE PROTECTORS
- Housing Material: ABS Plastic
- Plug Type: Right Angle
- 2.1 Amp USB charging ports
- Protected and grounded indicator lights
- Lighted ON/OFF switch
- Amps: 15 Amps
- Wattage: 1875 W
- Voltage: 125 V

Model No. | Total No. of Outlets | Cord Length" | Rated Joules | No. of USB Ports | Colour | Transformer Outlet | Price /Each
---|---|---|---|---|---|---|---
XG809 | 4 | 4 | 1200 | 2 | White | 1 Convenient Transformer-Spaced Outlet | 23.50
XG811 | 6 | 4 | 1800 | 2 | White | 1 Convenient Transformer-Spaced Outlet | 29.90
XG810 | 8 | 6 | 4200 | 2 | Black | 3 Convenient Transformer-Spaced Outlet | 51.50
XG812 | 8 | 6 | 3600 | 2 | Black | 3 Convenient Transformer-Spaced Outlet | 51.50
XG813 | 12 | 6 | 4200 | 2 | White | 6 Convenient Transformer-Spaced Outlet | 60.90

PRIME® USB CHARGERS
- Includes LED charging light
- Space-saving design

Model No. | Mfg. No. | No. of USB Charging Ports | No. of Outlets | Joule Rating | Price /Each
---|---|---|---|---|---
XG785 | PRUSB140 | 2 (2.4A) | 0 | | 27.90
XG784 | PRUSB415 | 1 (2.4A) | 1 | 150 | 14.90
XG780 | PRUSB242 | 2 (2.4A) | 2 | - | 14.90
XG783 | PRUSB145S | 2 (2.1A) | 3 | 450 | 21.50
XG782 | PRUSB145S | 2 (2.1A) | 3 | 950 | 18.50
XG781 | PRUSB145S | 2 (2.1A) | 6 | 1200 | 27.90
EXTENSION CORDS & OUTLETS

ISOBAR® PREMIUM SURGE SUPPRESSORS

- Virtually indestructible all-metal housing for added protection and longer life
- Isolated filter banks eliminate cross interference
- "Cascade Circuitry" provides increasing levels of noise rejection
- 3 Diagnostic LEDs to provide advance warning of potential power problems
- Meets stringent UL1449 (2nd edition), UL 1283, UL 1363 and cUL standards with UL's highest performance (330 V)
- Instantaneous (0 nanoseconds) surge response time
- Ultimate Lifetime Insurance covers the Isobar® and connected equipment against surge damage for life
- Multi-Stage suppression circuitry safeguards computer system from power surges during boosting
- EMI/RFI Noise rejection reduces computer lock-ups, data errors, audio, static and video interference
- Protected LED indicator
- Meets stringent UL1449 (2nd edition) and cUL standards with UL's highest performance (330 V)
- Ultimate Lifetime Insurance covers connected equipment against surge damage for life
- Colour: Computer Grey
- Lifetime Warranty

<table>
<thead>
<tr>
<th>Model No.</th>
<th>AC Recptacles</th>
<th>Cord Length</th>
<th>Isolated Filter/Banks</th>
<th>Energy Surge Rating</th>
<th>Surge Current Rating</th>
<th>Price / Each</th>
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<tbody>
<tr>
<td>OD751</td>
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<tr>
<td>OD752</td>
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<td>92 000</td>
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<td>OD753</td>
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<td>12</td>
<td>4</td>
<td>2840</td>
<td>92 000</td>
<td>119.00</td>
</tr>
</tbody>
</table>

PROTECT-IT SURGE SUPPRESSORS

- Multi-Stage suppression circuitry safeguards equipment against lightning and surge damage
- EMI/RFI Noise rejection reduces computer lock-ups, data errors, audio, static and video interference
- Protected LED indicator
- Meets stringent UL1449 (2nd edition) and cUL standards with UL’s highest performance (330 V)
- Ultimate Lifetime Insurance covers connected equipment against surge damage for life
- Colour: Computer Grey
- Lifetime Warranty

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Outlets</th>
<th>Cord Length</th>
<th>Fax/Modem/Phone (RJ11)</th>
<th>Isolated Transformer Outlets</th>
<th>Grounded LED Indicator</th>
<th>Multiple Outlet Surge Protection</th>
<th>Ultimate Lifetime Insurance</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB262</td>
<td>6</td>
<td>6</td>
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<tr>
<td>OD809</td>
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<td>$20 000</td>
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<tr>
<td>OD810</td>
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<tr>
<td>XB263</td>
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<td>Yes</td>
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<td>$25 000</td>
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</tr>
</tbody>
</table>

STANDBY UPS SYSTEMS

These systems provide complete protection against all types of power problems (brownouts, blackouts, surges and line noise). Up to 450 VA of battery backup gives you time to save your open files and safely shut down your computer in the event of a prolonged brownout or a blackout. In addition, BC Personal® UPS stops damaging lightning and surges. $25 000 Ultimate Lifetime Insurance coverage guarantees your equipment will stay safe from surge damage for life!

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD757</td>
<td>Personal® 350 VA UPS, 6 outlets</td>
<td>$93.90</td>
</tr>
<tr>
<td>OD758</td>
<td>Personal® 550 VA UPS, low battery light, self-test, 8 outlets</td>
<td>$125.00</td>
</tr>
<tr>
<td>OD759</td>
<td>Internet Office, 900 VA UPS, 2-line fax/phone protection, 8 outlets</td>
<td>$249.00</td>
</tr>
</tbody>
</table>

BOOSTER CABLES

- Clamp design fits on both top-post and side-post batteries
- Surge suppressor on 2, 4, and 6 gauge cables protect a vehicle's computer system from power surges during boosting
- Cable remains flexible in temperatures as low as -40°C
- Tangle-free

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Wire Gauge</th>
<th>Amps</th>
<th>Length</th>
<th>Price / Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD94</td>
<td>8</td>
<td>150</td>
<td>10</td>
<td>18.75</td>
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<tr>
<td>XD95</td>
<td>6</td>
<td>400</td>
<td>16</td>
<td>41.75</td>
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<tr>
<td>XD96</td>
<td>4</td>
<td>400</td>
<td>20</td>
<td>47.45</td>
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<tr>
<td>XD97</td>
<td>2</td>
<td>400</td>
<td>20</td>
<td>94.95</td>
</tr>
</tbody>
</table>
EYEWEAR
SPILL CONTROL
SAFETY
TRAFFIC CONTROL
GLOVES

Contact us today!

ZENITH
Safety Products
MULTIMETERS & VOLTAGE TESTERS

AC VOLTAGE DETECTORS
- Detects for the presence of AC voltage without contact
- Signals the presence of voltage with an LED light and audible buzzer
- Built-in flashlight
- Doubly-insulated housing for increased safety
- UL approved
- Cat. III 600V, Cat. IV 600V safety ratings
- Includes batteries
- AC Voltage Range: 90 to 1000V
- Max. Working Current: 32mA
- Power Supply: 2 “AAA” alkaline batteries

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA898</td>
<td>R1100</td>
<td>AC Voltage Detector</td>
<td>25.00</td>
</tr>
</tbody>
</table>

REED R5200 OUTLET CIRCUIT TESTERS
- Tests whether the outlet is properly wired
- Can perform the entire array of tests by simply plugging the device into the outlet
- One light shows a voltage difference between hot and neutral slots, another shows a voltage difference between the hot slot and the ground hole, and a third shows a voltage difference between the neutral slot and the ground hole
- Easy to read light pattern chart
- Voltage range: 110-125 VAC

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB741</td>
<td>R2000</td>
<td>Outlet Circuit Testers</td>
<td>9.00</td>
</tr>
</tbody>
</table>

STUD, METAL AND VOLTAGE DETECTORS
- Find studs, metal and detect the presence of AC voltage with this 3-in-1 multi-scanner
- Features an LCD display with bar graph allowing for quick and accurate detection
- Ergonomically designed for comfort and grip
- Auto power-off after 20 seconds
- Stud Detection Depth: Up to 0.98” (25mm)
- Metal Detection Depth: Up to 2.50” (65mm)
- Voltage Detection Depth: Up to 1.96” (50mm)
- Low Battery Indicator: Yes
- Power Supply: 9V Battery
- Operating Temperature: 19.4 to 122°F (-7 to 40°C)
- Storage Temperature: -4 to 122°F (-20 to 50°C)
- Max. Depth Scanned: 2-4/7”
- Alert Type: Display

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB898</td>
<td>R9090</td>
<td>Stud, Metal and Voltage Detector</td>
<td>49.00</td>
</tr>
</tbody>
</table>

DIGITALS MULTIMETERS
- 0.5% basic DC accuracy
- 4000-count resolution
- Diode check and continuity test
- Data hold function
- Auto ranging and auto power off
- Double molded plastic housing
- EN61010-1 Cat. III 600V safety rating
- Includes Type K temperature probe, test leads and 9 V battery

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA406</td>
<td>R5008</td>
<td>Multimeter</td>
<td>$79.00</td>
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</table>

FUSED TEST LEAD SETS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA707</td>
<td>FC-3010</td>
<td>Test Lead Set</td>
<td>$39.00</td>
</tr>
</tbody>
</table>

MULITMETERS
- Non-contact voltage detector
- Diode check and continuity test
- Flashlight
- Auto power off
- Double molded housing and test leads
- EN61010-1 Cat. III, 1000V safety rating
- 0.2 A/500 V resettable fuse protection
- 2000-count LCD
- AC voltage range: 100 to 600 V
- Auto-ranging multimeter
- AC/DC voltage range: 600 V
- AC/DC current range: 200 mA
- Resistance range: 20 MΩ

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB400</td>
<td>S7-1878</td>
<td>Voltage Detector/Multimeter</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

REED R5006 DIGITAL MULTIMETERS
- Pocket-sized, auto-ranging digital multimeter
- Measures AC/DC voltage and current, resistance, frequency, capacitance and duty cycle
- Diode test and continuity check functions
- Data hold and relative mode
- 4000-count LCD display
- Low battery indicator and auto power-off
- Conforms with IEC61010 Cat. II 600V
- Includes test leads, battery and carrying case

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB740</td>
<td>R5006</td>
<td>Digital Multimeter</td>
<td>39.00</td>
</tr>
</tbody>
</table>

ELECTRICAL TEST KIT
- Kit includes the tools to troubleshoot common electrical problems (digital multimeter, AC voltage detector, receptacle tester and soft carrying case)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB867</td>
<td>R5006-KIT</td>
<td>Test Kit</td>
<td>81.00</td>
</tr>
</tbody>
</table>

SPECS:

- AC Range: 4, 40, 400, 600 V
- DC Range: 400 mV, 4, 40, 400, 6000
- AC Resolution: ±1%, ±2%, ±3%
- DC Resolution: ±1%, ±2%
- AC Current Range: ±(2% rdg. + 5 dgt.), ±(0.8% rdg. + 1 dgt.)
- AC/DC Current Resolution: ±1%, ±2%
- DC Current Range: ±(1% rdg. + 10 dgt.)
- DC Voltage Range: ±(2% rdg. + 5 dgt.), ±(0.8% rdg. + 1 dgt.)
- AC/DC Voltage Range: ±(2% rdg. + 5 dgt.), ±(0.8% rdg. + 1 dgt.)
- Frequency Range: 99.9 Hz, 999.9 Hz, 9999 Hz, 99999 Hz, 999999 Hz
- Accuracy: ±1% (up to 20 kHz), ±2% (above 20 kHz)
- Duty Cycle Range: 99.9%
- Measurement Range: ±(2% rdg. + 5 dgt.), ±(0.8% rdg. + 1 dgt.)
- Insulation Resistance: 2000 MΩ (110 V, 500 V), 200 MΩ (400 V, 600 V)
- Capacitance Range: ±1% (up to 500 nF, ±2% (above 500 nF)
- Temperature Range: -4°F to 122°F (-20°C to 50°C)
- Weight: 255 g

WIN\-TEST

EQUIPMENT

INSTRUMENTS, SCALES & ELECTRICAL

SHIPPING & PACKAGING

TOOLS & EQUIPMENT

WELDING & METALWORKING

SAFETY EQUIPMENT & SUPPLIES

JANITORIAL & MAINTENANCE

MATERIAL HANDLING & STORAGE

1521

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2018-07-03 10:29 AM
TRUE RMS MULTIMETER
- AC and DC voltage and current, resistance, capacitance, frequency and duty cycle measurements
- 100MHz frequency counter
- Temperature measurement capability
- True RMS AC voltage and current measurements
- Min/Max/Avg and Peak hold (±1ms) functions
- Store up to 10 000 recorded events
- Real time clock for automatic time stamping of readings
- Log multiple sessions or log data continuously for over 200 hours
- 50 000-count graphical LCD with backlight displays multiple sets of measurement data simultaneously
- Bluetooth interface
- IP67 rated waterproof

SPECIFICATIONS:
- AC/DC Voltage Range: 50, 500 mV, 5, 50, 500, 1000 V
- Resolution: 0.001, 0.01 mV, 0.01, 0.1 V
- Accuracy: AC: ±(0.3% rdg. + 25 dgt.) (50/60 Hz); DC: ±(0.025% rdg. + 5 dgt.)
- AC/DC Current Range: 500, 5000 µA, 5, 50, 500 mA, 10 A
- Resolution: 0.01, 0.1 µA, 0.001, 0.01 mA, 0.001 A
- Accuracy: AC: ±(0.4% rdg. + 25 dgt.) (50/60 Hz); DC: ±0.15% rdg. + 20 dgt.
- Resistance Range: 50, 500 Ω, 5, 50, 500 kΩ, 5, 50 MΩ
- Resolution: 0.001, 0.01 Ω, 0.001, 0.01, 0.1 kΩ, 5, 0.1 MΩ
- Accuracy: ±(0.5% rdg. + 10 dgt.)
- Capacitance Range: 5, 50, 500 nF, 5, 50, 500 µF, 50 µF
- Resolution: 0.01, 0.1 nF, 0.01, 0.1 µF, 0.1 µF
- Accuracy: ±0.05% rdg. + 10 dgt.
- Frequency Range: 50, 500 Hz, 5, 50, 500 kHz, 5, 10 MHz
- Resolution: 0.01 Hz, 0.001, 0.01, 0.1 kHz, 0.001 kHz, 0.01 MHz
- Accuracy: ±0.01% rdg. + 10 dgt.
- Temperature Range: -50 to 100°C (-58 to 183°F)
- Resolution: 0.1°C (0.1°F)
- Accuracy: ±(1.0% rdg. + 2.5°C (4.5°F)

DIGITAL MULTIMETERS
- True RMS AC/DC voltage and current measurements
- 0.005% basic DC accuracy
- 40 000-count resolution
- Measures frequency, capacitance and temperature
- Diode check and continuity test
- Backlit LCD readout with analog bar graph
- 1000 V input protection on all ranges
- 4-20 mA process loop measurements with % readout
- Data hold, Max/Min recording mode
- Peak capture mode
- IP67 dust and waterproof
- EN61010-1 Cat. IV 600 V, Cat. III 1000 V safety rating
- Includes test leads and 9 V battery

SPECIFICATIONS:
- AC/DC Voltage Range: 1000 V
- Accuracy: AC: ±1.0%; DC: ±0.05%
- AC/DC Current Range: 10 A
- Accuracy: AC: ±1.5%; DC: ±1.0%
- Resistance Range: 40 Ω
- Accuracy: ±0.1%
- Capacitance Range: 40 mF
- Accuracy: ±3.5%
- Duty Cycle Range: 99.9%
- Accuracy: ±1.2%
- Temperature Range: 760°C (1400°F)
- Accuracy: ±1.0%
- Dimensions: 182 x 82 x 55 mm
- Weight: 360 g

AC/DC CLAMP-ON ADAPTERS
- Range: 0 to 200 A AC/DC, 0 to 2000 A AC/DC
- Accuracy: ±3% up to 200 A, ±3% up to 1500 A with push button zero
- Output: 1 mV per 1 A
- Jaw Opening: 2 1/2” (64 mm)

MODEL HX357
- Enables clamp meter user to measure AC current on a 2-wire or 3-wire power cord to 15 A
- Provides easy and safe measurement of current without the need to cut off the plug and separate the conductors
- Plugging the power connector into the line splitter separates the hot/live conductor from the neutral and ground

MODEL HX358
- Adapts mini-connector inputs to banana plug inputs
- Can be used with many of the thermocouple probes

MULTIMETER ACCESSORIES

AC/DC Clamp-on Adapters
- Ideal tool to extend the current range for all multimeters
- AC current range: 200 A
- Voltage output of 1 mV/A via standard banana inputs

1521-1561_Eng.indd   1522
TEMPERATURE COMBINATION KIT
• Includes: IA406 compact digital multimeter with temperature function, IB537 compact infrared thermometer, HK953 type K thermocouple wire probe, IA181 safety test leads set, IA434 carrying case
Model No. IB871
Mfg. No. ST-TMPKIT
Price/Each $287.00

ELECTRICIAN’S COMBO KIT
• XC308 AC/DC TRMS multimeter
• HK358 temperature input adapter with HK953 type K thermocouple wire probe
• IA181 safety test leads
• IA184 AC current adapter
• HK357 AC line splitter
• IA434 carrying case
Model No. IA859
Mfg. No. ST-ELECTRICKIT2
Price/Each $293.00

MULTIMETER COMBO KIT
• IA406 autoranging digital multimeter with temperature function
• HX394 AC/DC current clamp meter with temperature function
• IA976 non-contact voltage detector with built-in flashlight
• HK358 temperature input adapter with HK953 type K thermocouple wire probe
• IA181 safety test leads
• IA184 carrying case
Model No. IA658
Mfg. No. ST-MULTIKIT
Price/Each $396.00

INDUSTRIAL COMBO KIT
• Includes: XC308 True RMS waterproof digital multimeter, IA982 AC clamp meter, IB537 compact infrared thermometer, IA181 safety test lead and IB872 deluxe hard carrying case
Model No. IB870
Mfg. No. RINDUST-KIT
Price/Each $514.00

HVAC COMBO KITS
• True RMS multimeter and clamp meter combo kit
• XC308 True RMS AC/DC multimeter with temperature function
• IB665 True RMS AC/DC clamp meter with temperature function
• IA045 non-contact voltage detector with built-in flashlight
• HK358 temperature input adapter with HK953 thermocouple wire probe
• IA181 safety test leads
Model No. IA857
Mfg. No. ST-HVACKIT
Price/Each $452.00

ELECTRICAL TROUBLESHOOTING KIT
• Plug the transmitter into a receptacle and scan breaker box to identify the circuit
• Detects 5 3-wire receptacle wiring faults
• Built-in GFCI receptacle check function
• Adjustable sensitivity wheel quickly identifies breaker
• Audible (buzzer) and visual (LED) indicators assist in identification
• Display Type: Indicator Light
• Voltage Range: 90 to 120V AC
• Bandwidth: 47 to 63Hz
• Power Supply: 9V Battery
• Operating Temperature: 32 to 104°F (0 to 40°C)
• Storage Temperature: 4 to 140°F (-20 to 60°C)
Model No. IB869
Mfg. No. RS500-KIT
Price/Each $114.00

ELECTRICIAN’S COMBO KIT
• XC308 AC/DC TRMS multimeter
• HK358 temperature input adapter with HK953 type K thermocouple wire probe
• IA181 safety test leads
• IA184 safety test leads set
• IA434 carrying case
Model No. IA859
Mfg. No. ST-ELECTRICKIT2
Price/Each $293.00

MULTIMETERS & VOLTAGE TESTERS

1523

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2018-07-03   10:30 AM
MULTIMETERS & VOLTAGE TESTERS

LEADS, CLIPS & TEST PROBES

**MODEL IA171**
- 4 mm safety test leads
- Silicone-insulated
- 100 cm long
- Right angle sheathed banana plug to straight sheathed banana plug
- Set of two, one black and one red
- IA171 to be used in conjunction with items listed below

**MODEL IA172**
- Safety alligator clips

**MODEL IA173**
- Push-on safety test clips with strong jaws
- Insulated, nickel-plated jaws grip objects up to 3/8”
- Blunt grip grabs round screw heads

**MODEL IA174**
- Tips include banana-style spring contacts with nickel-plated brass ends
- Ideal for probing banana plug receptacles

**MODEL IA175**
- Push-on safety test probes with stainless steel tips
- Rigid with protective caps

**MODEL IA176**
- Industrial test probes with stainless steel tips

**MODEL IA177**
- Safety jaw clips

**MODEL IA178**
- Electronic test probes
- Tapered tips for probing electronic components or boards
- Removable guard for IC probing

---

**BASIC TEST LEADS**

**MODEL IA181**
- Set of two 48” long leads, one black and one red
- Flexible silicone-insulated safety test leads are heat and cold resistant
- Distinctive comfort grip test probes with stainless steel tips

**MODEL IA182**
- Slide-on style for test probes
- Jaws open to 8 mm

**MODEL IA183**
- Same as IA181 with IA182 alligator clips

---

**FUSED TEST LEAD SETS**

- Lead length: 1.4 meters
- Compatible with all instruments that accept standard 4 mm shrouded banana connectors

---

**TEST LEAD KITS**

**MODEL IA179**
- Safety test lead kit (electrical) includes:
  - IA171 safety test leads
  - IA172 alligator clips
  - IA175 test probes
  - HX360 carrying case

**MODEL IA180**
- Deluxe safety test lead kit (electrical) includes:
  - IA171 safety test leads
  - IA172 alligator clips
  - IA177 safety jaw clips
  - IA173 test clips
  - HX360 carrying case
PELICAN PROTECTOR EQUIPMENT CASES

Light, strong, watertight and air tight for the ultimate protection. Constructed of copolymer and polypropylene. Features a 1/4" neoprene O-ring seal and a purge valve. Supplied complete with pre-scored pick & pluck foam or padded dividers (no cutting required). Custom foam insert fabricated on special order. Also includes ABS locking flanges, massive multiple latches and a comfortable molded grip handle.

Note: Models HA597 and HA603 supplied with solid foam only.

- Other colours available for Mfg. No. 1700 to 1750 are desert tan and green
- Other colours available for Mfg. No. 1200 to 1600 are silver, desert tan and green

**FEATURES:**

- **O-Ring Seals:** Exclusive 1/4" neoprene O-ring guarantees a perfect seal. Neither dust nor water can penetrate this barrier to damage your equipment. These rings are easily replaced if damaged.

- **Purge Valve:** All cases are absolutely airtight. Exclusive built-in O-ring sealed pressure purge valve allows for quick equalization after changes in temperature or altitude.

**PROTECTIVE CASES**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA292</td>
<td>1201</td>
<td>3 pc. foam insert for HA292, HA293</td>
<td>$33.60</td>
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<tr>
<td>HA423</td>
<td>1301</td>
<td>3 pc. foam insert for HA419, HA420</td>
<td>$39.90</td>
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<tr>
<td>HA450</td>
<td>1401</td>
<td>3 pc. foam insert for HA450, HA451</td>
<td>$54.90</td>
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<tr>
<td>HA503</td>
<td>1501A</td>
<td>3 pc. foam insert for HA501, HA502</td>
<td>$77.90</td>
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<tr>
<td>HA712</td>
<td>1551</td>
<td>4 pc. foam insert for HA710, HA711</td>
<td>$122.00</td>
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<td>HA388</td>
<td>1601</td>
<td>4 pc. foam insert for HA386, HA387</td>
<td>$165.00</td>
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<td>HA299</td>
<td>1701</td>
<td>4 pc. foam insert for HA297, HA298</td>
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<tr>
<td>HA605</td>
<td>1751</td>
<td>4 pc. foam insert for HA603</td>
<td>$151.00</td>
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</tbody>
</table>

**FOAM INSERTS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA597</td>
<td>-</td>
<td>1700</td>
<td>$451.00</td>
</tr>
<tr>
<td>HA603</td>
<td>-</td>
<td>1750</td>
<td>$527.00</td>
</tr>
</tbody>
</table>

**MODEL NO. HA292**

Outside Dimensions: 10 5/8" L x 9 1/16" W x 4 7/8" D
Inside Dimensions: 9 1/4" L x 7 1/8" W x 4 1/8" D
Fold-down handle. Weight: 2.87 lbs.

**MODEL NO. HA419**

Outside Dimensions: 10 5/8" L x 9 11/16" W x 6 7/8" D
Inside Dimensions: 9 1/8" L x 7 7/8" W x 6 1/8" D
Fold-down handle. Weight: 3.53 lbs.

**MODEL NO. HA501**

Outside Dimensions: 18 1/2" L x 14 1/16" W x 6 15/16" D
Inside Dimensions: 16 3/4" L x 13 11/16" W x 6 1/8" D
Fold-down handle. Integral personalised nameplate. Weight: 7.05 lbs.

**MODEL NO. HM576**

Outside Dimensions: 19.78" L x 15.77" W x 7.41" D
Inside Dimensions: 18.06" L x 12.89" W x 6.72" D
Fold-down handle. Weight: 9.35 lbs.

**MODEL NO. HA597**

Outside Dimensions: 38 1/8" L x 16" W x 6 1/8" D
Inside Dimensions: 35 3/4" L x 13 1/2" W x 5 1/4" D
Fold-down handle. Weight: 16.98 lbs.

**MODEL NO. HA603**

Outside Dimensions: 53" L x 16" W x 6 1/8" D
Inside Dimensions: 50 1/2" L x 13 1/2" W x 5 1/4" D
Fold-down handle. Weight: 25.57 lbs.
CLAMP METERS

AC/DC CLAMP METERS

- True RMS measurements
- 3-3/4 digit LCD with high-speed, 42-segment bar graph
- Max/Min and Data Hold functions
- Peak Hold function
- Frequency measurement
- Diode and continuity test with beeper
- Polarity and overload indications
- Auto or manual ranging
- Auto power-off
- Low battery indication
- Conforms to EN61010 1000V Cat. II, 600V Cat. III
- Includes IA181 test leads, 6AM6X battery and HN416 carrying case
- Accredited calibration available

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Specification</th>
<th>IA181</th>
<th>IA182</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model No.</td>
<td>IA181</td>
<td>IA182</td>
</tr>
<tr>
<td>Description</td>
<td>AC/DC Clamp Meter</td>
<td>Fused Test Lead Sets</td>
</tr>
<tr>
<td>Price/Each</td>
<td>99.00</td>
<td>39.00</td>
</tr>
</tbody>
</table>

AC/DC CLAMP METER

- Measures AC/DC current, AC/DC voltage, resistance, capacitance, as well as temperature with the included Type K thermocouple probe
- Diode test and continuity check
- 4000-count LCD displays low battery and overrange indications
- UL approved
- Cat. III 600V safety rating
- Includes one set of test leads, one temperature probe, batteries, and a soft carrying case

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Specification</th>
<th>IA181</th>
<th>IA182</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Current Range</td>
<td>40.00, 400.0 A</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 2 dgt.)</td>
<td></td>
</tr>
<tr>
<td>DC Voltage Range</td>
<td>400.0 mV, 4.000, 40.00, 400.0, 600.0 V</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 2 dgt.)</td>
<td></td>
</tr>
<tr>
<td>AC Voltage Range</td>
<td>4.000, 400.0, 400.0, 600.0 V</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 2 dgt.)</td>
<td>±(1.5% rdg. + 2 dgt.)</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>400.0 Ω, 4.000, 40.00</td>
<td>400.0 kΩ, 4.000, 40.00 MΩ</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(1.5% rdg. + 2 dgt.)</td>
<td>±(0.5% rdg. + 2 dgt.)</td>
</tr>
<tr>
<td>Capacitance Range</td>
<td>40.00, 400.0 nF, 4.000, 40.00, 100.0 μF</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 5 dgt.)</td>
<td>±(1% rdg. + 5 dgt.)</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20.0 to 706.0°C (-4.0 to 1400.0°F)</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(3% rdg. + 5°C/9°F)</td>
<td></td>
</tr>
<tr>
<td>Jaw Opening</td>
<td>1.2&quot; (30 mm) maximum</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>2 x 1.5V &quot;AAA&quot; batteries</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>200 x 66 x 37 mm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>205 g</td>
<td></td>
</tr>
</tbody>
</table>

REED

TRUE RMS AC/DC CLAMP METER

- Measures AC/DC current, AC/DC voltage, resistance, capacitance, frequency, duty cycle, and temperature with a type K thermocouple probe
- True RMS AC measurements
- Non-contact AC voltage detector in clamp tip
- Low battery indication and auto power-off
- 5000 count LCD with backlight
- Conforms to EN61010 Cat. III 600 V
- Jaw opening: 1.2" (30 mm)
- Includes set of test leads, temperature probe, batteries, and soft carrying case

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Specification</th>
<th>IA682</th>
<th>IA685</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC/DC Current Range</td>
<td>50.00, 500.0 A</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(2.8% rdg. + 30 dgt.)</td>
<td>±(2.5% rdg. + 30 dgt.)</td>
</tr>
<tr>
<td>AC Voltage Range</td>
<td>500.00 mV, 5.0000, 5.0000, 50.00, 750.0 V</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(1.0% rdg. + 30 dgt.)</td>
<td>±(0.5% rdg. + 2 dgt.)</td>
</tr>
<tr>
<td>DC Voltage Range</td>
<td>5000.00 Ω, 50.000, 50.000, 500.00, 1000.0 V</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 4 dgt.)</td>
<td>±(1% rdg. + 4 dgt.)</td>
</tr>
<tr>
<td>Resistance Range</td>
<td>500.00 Ω, 5.000, 50.000, 50.000 kΩ, 5.0000, 50.000 MΩ</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(0.5% rdg. + 4 dgt.)</td>
<td>±(0.5% rdg. + 4 dgt.)</td>
</tr>
<tr>
<td>Capacitance Range</td>
<td>500.00, 5000.0 nF, 50.00, 500.0 μF</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>±(3.5% rdg. + 10 dgt.)</td>
<td>±(0.5% rdg. + 10 dgt.)</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-100.0 to 1000.0°C/-148.0 to 1832.0°F</td>
<td></td>
</tr>
</tbody>
</table>

Model No. | Mfg. No. | Description                  | Price/Each |
----------|----------|------------------------------|------------|
IA682     | R5020    | AC/DC Clamp Meter            | 99.00      |
IA707     | FC-300   | Fused Test Lead Sets         | 39.00      |
IA685     | R5030    | True RMS AC/DC Clamp Meter   | 229.00     |
IA707     | FC-300   | Fused Test Lead Sets         | 39.00      |

1526  
MATERIAL HANDLING & STORAGE  JANITORIAL & MAINTENANCE  SAFETY EQUIPMENT & SUPPLIES  WELDING & METALWORKING  TOOLS & EQUIPMENT  SHIPPING & PACKAGING  INSTRUMENTS, SCALES & ELECTRICAL  OFFICE PRODUCTS
INSULATION TESTERS

- Test voltage combinations: 250 V, 500 V or 1000 V
- 1 mA test current for MΩ range at rated voltage
- 200 mA test current for continuity range
- Continuity test with beeper
- Large, easy-to-read dual display with backlight

SPECIFICATIONS:

**Insulation resistance tests**
- **Test Voltage:** 250, 500, 1000 V
- **Measurement Range:** 200 MΩ, 2000 MΩ
- **Accuracy:** ± 3.5 % rdg. ± 5 dgt.

**Resistance tests**
- **Measurement Range:** 200 Ω, 2000 Ω
- **Accuracy:** ± 1 % rdg. ± 2 dgt.

**Voltage tests**
- **Measurement Range:** 750 VAC, 1000 VDC
- **Accuracy:** AC: ± 1.2 % rdg. ± 10 dgt.
- **DC:** ± 0.8 % rdg. ± 3 dgt.

**Continuity tests**
- **Measurement Range:** Beeps ≤ 40 Ω
- **Test Current:** ≤ 200 mA

**General**
- **Power Supply:** 6 x 1.5 V AA batteries
- **Dimensions:** 200 x 92 x 50 mm
- **Weight:** 700 g

CARRYING CASES

PROTECT & STORE YOUR MULTIMETER & ACCESSORIES IN A CARRYING CASE

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA194</td>
<td>R5600</td>
<td>Insulation Tester</td>
<td>279.00</td>
</tr>
<tr>
<td>IA855</td>
<td>R5002</td>
<td>Insulation Tester</td>
<td>995.00</td>
</tr>
</tbody>
</table>

INSULATION TESTERS & EQUIPMENT CASES

- Measurements from 500 V to 5000 V and up to 60 GΩ
- Sources up to 1.2 mA current during tests to offset capacitance load
- Dielectric absorption ratio measurements (DAR)
- Polarization index measurement (PI)
- Time set measurement function
- Auto-discharge function and voltage output warning function
- Live circuit warning symbols plus audible warning
- Live circuit detection prevents insulation test if >30 V is detected
- Max/Min, Peak, Relative value and Data Hold functions
- 6000-count digital display with bargraph and backlight
- Meets IEC61010-1 Cat. IV 600 V safety standards
- Includes test leads, batteries and carrying case
- Accredited calibration available

SPECIFICATIONS:

**Measurement Range:**
- **Insulation Resistance Test Voltage:** 500 V, 1000 V, 2500 V, 5000 V DC
- **Insulation Resistance Range:** 0 to 6000 Ω
- **Resistance Test Range:** 0 to 60 GΩ
- **Voltage Range:** 0.5 to 600.0 V AC/DC
PHASE ROTATION INDICATORS

WITH OPEN PHASE CHECKER

- Designed to check the presence of an open phase and also the phase sequence with rotating disks and lamps.
- Identifies broken conductors and misconnection.
- Test leads eliminate the risk of misconnection and meter damage.
- Includes: Receiver, load signal generator, transmitter, USB cable, software, and battery.

CABLE TRACERS

- All components are fully fuse protected and intrinsically safe.
- And fit into a foam-lined carrying case.
- Model R2000 Receiver has two detectors in its tip which are tuned to pick up the electromagnetic signals (‘short’ mode) or electrostatic signals (‘open’ mode) generated by other components.
- LEDs and sensitivity settings indicate the relative signal strength to allow easy detection of the signal source.
- Model S2600 Load Signal Generator, when connected to an energized line, will draw a rapidly fluctuating current pulse from the source, causing the power line to emit an electromagnetic signal which is detected by the R2000 in the ‘short’ mode.
- Model T2200 Transmitter injects a signal into an unenergized conductor.
- If the conductor is broken (open), no current will flow, so the signal is present on the (load) side to enable identification of equipment on that circuit.
- The R2000’s electrostatic detector (‘open’ mode) generated by other components.
- Model A2201 Inductive Clamp when clamped around the energized line and plugged into the T2200 will induce a signal onto the downstream load to enable identification of equipment on that circuit.
- Includes: Receiver, load signal generator, transmitter, clamp-on transmitter accessory, cordsets and adapter.

LCR/CAPACITANCE METERS

- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (DF), quality factor (Df), phase angle (Ø), equivalent series/parallel resistance (ESR or Rp).
- Autoranging operation for AC impedance and DE resistance measurement.
- Auto LCR smart check and measurement.
- Series/Parallel modes.
- LS/lp/Cp with D/Q/Ø/ESR parameters.
- Support DCR mode 200 to 2000 MΩ.
- High accuracy with 4 or 5 terminal Kelvin measurement.
- Testing frequency is up to 10kHz and output frequency is up to 100kHz.
- Includes test leads and batteries.
- Accredited calibration available.

SPECSIFICATIONS:

- Inductance Range: 2000.0 µH/20.000/200.0/2000.0 mH/20.000/200.00/2000.0 H.
- Capacitance Range: 2000.0 pF/20.000/200.0/2000.0 nF/20.000/200.00/200.0 µF.
- Resistance Range: 20.000/200.0 O/2.0000/20.000/200.0 kΩ/2.0000/20.000/200.0 MΩ.
- Test Frequencies: 100/120/1kHz/1kHz/10kHz.

VOLTAGE/CURRENT DATA LOGGERS

- Simultaneously measure 2 True RMS AC voltage inputs.
- OR 2 AC currents inputs OR 1 AC voltage and 1 AC current input.
- User programmable sample rates from 1 second to 24 hours.
- Stores up to 256,000 measurements.
- User programmable high/low alarms.
- LCD indicates time/date, current readings, Max/Min, peak hold and whether alarm settings have been exceeded.
- Download collected data through USB interface.
- Auto power off and battery check.
- Includes AC current clamp sensor and voltage sensor, USB cable, software, and battery.
- Accredited calibration available.

SPECSIFICATIONS:

- AC Current Range: 10 to 200A.
- AC Voltage Range: 10 to 600V.

PHASE SEQUENCE TESTERS

- Tests phase orientation of 3-phase power sources.
- Indicates phase orientation (clockwise or counter-clockwise) and whether each of the three phases is live.
- Also indicates direction of motor rotation.
- Determines motor rotation without contact.
- Easy to open alligator clips with wide jaws.
- Double molded housing.
- Cat. III 600V safety rating.
- Input Voltage: 40 to 600 VAC.
- Operating Frequency: 2 to 400 Hz.
- Complete with cables with 3 colour-coded alligator clips, 9V battery and carrying case.
- Accredited calibration available.

SPECSIFICATIONS:

- Ac Voltage: 20.000/200.0 O/2.0000/20.000/200.0 kΩ/2.0000/20.000/200.0 MΩ.
- Frequency: 20.000/200.00 Hz.

Other products available include:

- Material Handling & Storage.
- Janitorial & Maintenance.
- Safety Equipment & Supplies.
- Welding & Metalworking.
- Tools & Equipment.
- Shipping & Packaging.
- Instruments, Scales & Electrical.
- Office Products.
INFRARED THERMOMETERS

- Precise non-contact temperature measurements
- Temperature Range: -58° to 1832°F (-50° to 1000°C)
- Fahrenheit/Celsius selectable
- Digitally adjustable emissivity from 0.10 to 1.0
- High and low alarm setpoints
- Max, Min and Diff. Avg. temperature displays
- Built-in laser pointer
- Large LCD with backlight and display hold
- Includes: battery and carrying case
- 50:1 distance to spot size ratio
- Accredited calibration available

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA853 | R2001 | Infrared Thermometer | 59.00

INFRARED THERMOMETERS

- Two-in-one thermometer combines infrared and K-thermocouple probe temperature measurement
- Infrared thermometer with integral type K thermocouple input
- IR Temperature Range: -58° to 1922°F (-50° to 1050°C)
- T/C Temperature Range: -58° to 2498°F (-50° to 1370°C)
- Digitally adjustable emissivity from 0.10 to 1.0
- 30:1 distance to spot size ratio
- Auto emissivity capture
- High and low alarms
- Max, Min, Diff record
- 20 data points of memory
- Display backlighting
- Auto data hold and auto shut off
- Trigger lock
- Includes: type K thermocouple probe, battery, and carrying case
- Accredited calibration available

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA496 | R2005 | Infrared Thermometer w/ Type K T/C | 189.00

INFRARED THERMOMETERS

- Measures surface temperatures of hot, hazardous or hard-to-reach objects without contact
- User selectable °F or °C
- Built-in laser pointer
- Pre-set emissivity of 0.95
- 8:1 Distance to Spot Size ratio
- Large LCD with backlight and display hold
- Compact, measures just 3.3” x 2.1” x 1” (84 x 56 x 28mm)
- Temperature Range: -58° to 556°F (-50° to 280°C)
- Accredited calibration available

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA496 | R2005 | Infrared Thermometer | 59.00

INFRARED THERMOMETERS

- Fast and easy way to measure surface temperatures, without contact
- Easy to use - just point, shoot and read
- Temperature Range: 0° to 750°F or -18° to 400°C
- Fahrenheit/Celsius selectable
- Fixed emissivity of 0.95
- 8:1 Distance to Spot Size ratio
- Large LCD with backlight and display hold
- Features laser sighting
- Carrying case extra

INFRARED THERMOMETERS

- Contact and non-contact food service thermometer
- Optical Resolution: 12:1 (Distance: Spot size)
- Infrared thermometer features laser sighting
- Accepts any Type K thermocouple probe with mini-connector
- Choice of five different colour faceplates - choose a different colour faceplate for each department or food category
- Large backlit LCD readout
- Max, Min, Diff and Avg. displays
- Programmable Hi/Lo alarms
- Lock feature for continuous monitoring
- Includes holster/case

SPECIFICATIONS:
- Range: -76° to 932°F (-60° to 500°C)
- Resolution: ±0.1°F (±0.1°C)
- Accuracy: ±2% rdg. or ±2°C, whichever is greater
- Response Time: 1 second
- Spectral Response: 8 to 14 µm
- Emissivity: Preset at 0.97
- Optical Resolution: 12.1:1 (Distance: Spot size)
- Type K Thermocouple
- Probe Range: -83° to 1999°F (-64° to 1400°C)
- Accuracy: ±1% rdg. or ±1°C, whichever is greater
- General
- Power Supply: 2 x AAA alkaline batteries
- Dimensions: 175 x 39 x 72 mm (6.9 x 1.5 x 2.8”)
- Weight: 179 g

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA432 | PS200 | Food Service Infrared Thermometer | 155.00

INFRARED THERMOMETERS

- Precise non-contact temperature measurements
- Temperature Range: -58° to 1832°F (-50° to 1000°C)
- Fahrenheit/Celsius selectable
- Digitally adjustable emissivity from 0.10 to 1.0
- High and low alarm setpoints
- Max, Min and Diff. Avg. temperature displays
- Built-in laser pointer
- Large LCD with backlight and display hold
- Includes: battery and carrying case
- 50:1 distance to spot size ratio
- Accredited calibration available

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA084 | R2007 | Infrared Thermometer | 329.00

INFRARED THERMOMETERS

- Pocket-sized and easy-to-use - just point, shoot and read
- Unique flat surface and modern housing design
- User selectable °F or °C
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- 8:1 Distance to Spot size ratio
- Includes: battery and carrying case
- Temperature range: -58° to 932°F (-50° to 500°C)
- Accredited calibration available

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IB537 | R2002 | Infrared Thermometer | 89.00
INFRARED THERMOMETERS

THERMAL IMAGERS 19200 PIXELS

- 3.5" colour TFT LCD capacitive touch screen
- High thermal sensitivity (NETD) of <0.08°K
- Built-in laser and white LED flashlight
- Built-in visible light digital camera
- 20x continuous zoom
- Includes thermal imager, 7.5 mm lens, lens cap, micro SD memory card, video output cable, headset, USB cable, hood, tripod stand, shoulder strap, battery, charger. DC power supply, user manual, software CD and hard carrying case
- Accredited calibration available

SPECIFICATIONS:
- IR Resolution: 160 x 120 pixels
- Field of View: 29.8 x 22.6"
- Detector Type: Uncooled microbolometer
- Thermal Sensitivity (NETD): <0.08°K (80mK)
- Image Capture Frequency: 50Hz
- Focus: Manual
- Temperature Range: -4 to 752°F (-20 to 400°C)
- Accuracy: ±3.6°F (±2°C) or ±2% of reading
- Storage Medium: 4GB micro SD card
- Interface: USB-mini, audio, composite video (PAL and NTSC), Micro SD slot
- Drop Test: 2m
- Encapsulation: 7.4V lithium polymer battery
- Battery Life: 4 hours
- Dimensions: 9.56" x 4.06" x 0.525" (243 x 103 x 160 mm)
- Weight: 920 g (32.45 oz)

Model No.  Mfg. No.  Description  Price/Each
IA970    R2010  Thermal Imager  499.00
IA983    RL-11  11 mm Replacement Lens  995.00
IA984    RL-22  22 mm Replacement Lens  1195.00
IA985    RL-33  33 mm Replacement Lens  1395.00
IA996    R200-7.4V  Spare Battery  59.00

INFRARED VIDEO THERMOMETER

- Dual lasers identify exact measuring spot where they converge
- Optical Resolution: 50:1 (Distance: Spot size)
- Fast 150ms response time
- 2.2" TFT colour LCD and built-in 480 x 480 pixels camera
- Supports image (JPEG) and video (AVI) capture alerts
- Transmit images and videos via USB interface
- 72MB internal memory with MicroSD memory card extension
- Data logging capabilities with date and time
- Includes type-K thermocouple probe, AC adapter, USB adapter, mini-tripod, and hard carrying case

SPECIFICATIONS:
- IR Temp. Range: -58 to 3992°F (-50 to 2200°C)
- Spectral Response: 8 to 14μm
- Type K Temp. Range: -58 to 2498°F (-50 to 1370°C)
- Air Temp. Range: 32 to 122°F (0 to 50°C)
- Dew Point & Wet Bulb Temp. Range: 32 to 122°F (0 to 50°C)
- Humidity Range: 0 to 100% RH

Model No.  Mfg. No.  Description  Price/Each
IA977    R3200  Infrared Video Thermometer Data Logger  649.00
0MA64  50-MN1 (8GB)  8GB Micro SD Memory Card  22.20

REED R2050 THERMAL IMAGING CAMERA

- 2.8" colour 240 x 320 pixel LCD display
- High thermal sensitivity (NETD) of <0.1°C @ +30°C (+86°F) / 100mK
- Built-in visible light 5 Megapixel digital camera
- 32x continuous digital zoom
- Infrared and visual images, picture-in-picture, as well as visual image with infrared overlay
- Automatic hot/cold spot indicator
- Automatic levels/span function
- Video recording with voice annotations
- Set-up Commands: Local adaptation of units, language, date and time formats, information of camera

SPECIFICATIONS:
- IR Resolution: 80 x 80 (6400 pixels)
- Thermal Sensitivity/NETD: < 0.1°C @ +30°C (+86°F) / 100 mK
- Focus Distance: 17" x 17" / 0.5 m
- Image Frequency: 50 Hz
- Temperature Range: -20°C to +150°C (-4°F to +302°F);
  0°C to +350°C (+32°F to +662°F)
- Humidity (Operating & Storage): 10% to 90%
- Storage Media: 8GB Micro SD Card

Model No.  Mfg. No.  Description  Price/Each
IB545    R2050  Thermal Imaging Camera  1295.00
IB546    R2050-3.7V  Replacement Battery  30.00

INFRARED TEMPERATURE CALIBRATORS

- Temperature Range: Up To 500°C (932°F)
- This portable infrared temperature calibrator is as easy to use, just point and shoot;
- For calibrating non-contact infrared thermometers up to 500°C (932°F);
- Temperature controlled black-body target with a diameter of 2.25" (57 mm);
- Wide field of view to compensate for optical variations in individual infrared thermometers;
- Simply set the desired temperature in increments of 0.1 °, wait for the calibrator to attain equilibrium, point the infrared thermometer at the target and measure the radiated energy;
- Contact RTD reference well is located directly behind the blackbody target to assure even higher accuracies of ± 0.1 °C
- Display: Digital
- No. of outputs: 2

Model No.  Mfg. No.  Description  Price/Each
IA548    BX-500  Calibration Kit  1695.00
TYPE K THERMOCOUPLE PROBES

MODEL IB878 – SURFACE THERMOCOUPLE PROBES
For general-purpose temperature applications. Measuring Range: -58 to 112°F (-50 to 500°C).

MODEL IB879 – RIGHT-ANGLE SURFACE PROBE
Unique right-angle surface probe design allows for temperature measurement of hard-to-reach areas. Measuring Range: -58 to 932°F (-50 to 500°C).

MODEL IB880 – AIR/GAS THERMOCOUPLE PROBE
Specially-designed to measure air or gases in heating and cooling units, ovens and engine exhausts. Perforated stainless steel shield permits fast response and element protection. Measuring Range: -58 to 1652°F (-50 to 800°C).

MODEL IB881 – IMMERSION THERMOCOUPLE PROBE
Recommended for checking the temperature of water, oils and non-corrosive fluids and gels. For immersion and general-purpose applications. Measuring Range: -58 to 1112°F (-50 to 600°C).

MODEL HN213 – NEEDLE TIP PROBES
Medium gauge hypodermic needle tips, used to measure softer food stuffs, rubbers and solids. Ideal for use in industrial, laboratory and chemical environments. Maximum Temperature: 800°C.

DIGITAL THERMOMETERS
- Temperature Range: -58 to 2000°F (-50 to 1300°C)
- User selectable °C or °F
- User selectable ±0.1°F or 1°F (0.1°C or 1°C) resolution
- Accuracy to 0.5%
- Display maximum reading plus data hold
- Large LCD display with backlight
- Accept K-type thermocouples
- Includes: 9 V battery and holster

MODEL HX381

THERMOCOUPLE THERMOMETER KIT
- Type K thermocouple thermometer
- Large, easy-to-read backlit LCD display
- User selectable °C or °F
- Max and Data Hold functions
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Type: Contact
- Display Type: Digital
- Temperature Range: -58-2000°F (-50-1300°C)
- Accuracy: ±0.5°F to 32°F, ±2°F to 200°F
- ±0.5°F to 32°F, ±4°F, 32°F to 200°F
- ±0.5°F to 32°F, ±1°C to 10°C, ±0.5°C to 100°C
- ±0.5°F to 100°C, 100°F to 1200°F ±0.5°F to 1112°F
- Resolution: 0.1 or 1°F, 0.1°C
- Type: Single Input, Thermocouple Type K
- Includes: HX381 thermocouple thermometer, IB878 surface probe, IB880 air/gas probe, IB881 immersion probe, HK953 beaded wire probe and IB872 deluxe hard carrying case

THERMOCOUPLE THERMOMETER
- Displays up to 4 separate measurements simultaneously
- Accepts Type K, J, R, S, E, T thermocouple and RTD probes
- Temperature differential (T1-T2), Max/Min and Data Hold functions
- Real-time data logger with integral SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Large, easy-to-read backlit LCD display
- Optional PC software features live tracking via USB connection
- Tripod mount for long-term monitoring
- Type: 4-Channel, Thermocouple, 2-Channel RTD
- Selectable Sampling Rate: Yes
- 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600s
- Power Supply: 6 AA batteries or AC Adapter (optional)
- Software OS Compatibility: Windows XP / Vista / 7
- Product Certifications: CE
- Operating Temperature: 32 to 104°F (0 to 40°C)

RTD THERMOMETERS
- Platinum resistor temperature sensor requires less temperature compensation than thermocouple units
- Selectable sensor types: Pt-100, Pt-500, Pt-1000 (4 wires)
- 4-digit LCD readout with LED backlight
- °C/°F switchable
- Min/Max/Avg functions
- Relative mode and data hold
- Low battery indication with auto power off
- IP67 waterproof housing
- Includes piercing type temperature probe
- Accredited calibration available
- Temperature Range: -148 to 572°F (-100 to 300°C)
- Resolution: 0.1°F (0.1°C)
- Accuracy: ±0.1% reading +0.8°F (+0.4°C)
- Temp. Coefficient: <18°C & <28°C: 0.01% reading +0.03°C
- Power Supply: 3 x 1.5 V AA alkaline batteries
- Battery Life: Approx. 100 hours
- Dimensions: 150 x 66 x 31 mm
- Weight: 175 g

OFFICE PRODUCTS
INSTRUMENTS, SCALES & ELECTRICAL
SHIPPING & PACKAGING
TOOLS & EQUIPMENT
WELDING & METALWORKING
SAFETY EQUIPMENT & SUPPILERS
JANITORIAL & MAINTENANCE
MATERIAL HANDLING & STORAGE

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THERMOMETERS

VARIABLE ANGLE INDUSTRIAL THERMOMETERS
• V-shape case, molded of GE Valox® polyester, is 9” in length. Heavy glass protected front firmly secured against rattles by spring action.
• For 3-1/2” stems only and ranges up to and including 300°F, the stem material is a precision die cast Zamac alloy.
• Adjustable case locknut and angle adjusting screw work independently to provide a full 360° positioning of thermometer case and stem.
• Adjustable joint completely encloses capillary to prevent tampering and foreign matter for entering instrument.
• Tube and capillary are blue spirit filled-magnifying lens “blue reading” tube. Precision made to guarantee accuracy within 1% of scale range. Silicone shock mounted for lasting durability.
• Scale is locked in place and adjusted through top of scale.

BI-METAL THERMOMETERS
• All welded stainless steel construction
• Easy external recalibration adjustment
• 1” diameter anti-parallax dial
• Hermetically sealed per ASME B40.3
• Accurate to 1% per ASME B40.3 Grade A
• Over-range protection is 50% up to 500°F
• 1/2” NPT straight connection

STEM THERMOMETERS
• Large, easy-to-read LCD
• Fahrenheit/Celsius switchable
• Range: -40° to 450°F (-40° to 230°C)
• Accuracy: ± 2°F ± 1.0°F
• Resolution: 0.1°F/0.1°C
• “S” stainless steel stem
• Includes one 1.5 V LR44 button battery and protective probe cover

WATERPROOF DIGITAL STEM THERMOMETER
• Temperature Range: -40° to 460°F (-40° to 230°C)
• Accuracy: ± 0.5°F (± 0.5°C)
• Fahrenheit/Celsius selectable via push button
• Compact pen-style design
• Stainless steel stem
• On-site calibration possible
• Waterproof construction and maximum temperature memory make this thermometer ideal for verifying dishwasher temperatures
• Includes protective case

SURFACE THERMOMETERS
• Specifically designed to be used on horizontal or ferrous non-horizontal surfaces
• Two alnico magnets that act as the thermometer’s base and hold it in place on ferrous surfaces
• Bimetallc sensor is a specially processed alloy that is pre-conditioned and pretested for permanent calibration and maximum stability
• Sensor is located in a draft shield and is in virtual thermal contact with the surface to be measured
• Sensing equilibrium (stability) is reached within three minutes and is accurate to ± 2% of full scale

DIGITAL STEM THERMOMETER
• Stainless steel stem thermometer offers a quick response and laboratory accuracy
• Easy to read LCD display
• Fahrenheit/Celsius switchable
• Display updates every 2 seconds
• Max/Min memory records highest and lowest temperatures
• Data hold button lets you freeze a reading
• Auto power off
• Includes: R2222 Digital Stem Thermometer, 1.5 V LR44 Button Battery, Protective Probe Cover
• Resolution: 0.1°C / 0.1°F
• Accuracy: ±1.5% of reading ±2°
• Weight: 35g
• Temperature Range: -40-482°F (-40-250°C)
**THERMOMETERS**

**PRE-PROGRAMMED THERMOMETERS/TIMERS**
- Pre-programmed cooking temperatures for different meats and tastes
- Select taste setting: Rare to well done
- Displays preset and internal cooking temperatures
- Stainless steel probe with 3 m heat resistant wire
- °C/°F switchable
- Temperature Range: -10° to 200° C (14° to 392°F)
- Weight: 6.4 oz

**INDOOR/OUTDOOR WIRIED THERMOMETERS**
- Indoor/outdoor temperature
- Min/max memory
- 3 m/9.8’ wired sensor probe
- Time and date
- °C/°F switchable
- Large LCD display
- Temperature trend
- Time and alarm features
- Freeze alarm

**INDOOR/OUTDOOR WIRELESS THERMOMETERS**
- Indoor and outdoor temperature
- Min/max memory
- °C and °F switchable
- Wireless transmission range: 30 m/100'

**INDOOR HYGROMETERS WITH BIOS COMFORT SCALE**
- BIOS comfort scale indicates ideal humidity range for home and personal health
- Indoor temperature
- Min/max memory
- °C and °F switchable

**BIOS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HX158</td>
<td>01100</td>
<td>Thermometer/Timer</td>
<td>22.95</td>
</tr>
</tbody>
</table>

**INDOOR/OUTDOOR WIRELESS HUMIDEX THERMOMETERS**
- Displays humidity and heat index
- Humidity and heat index is a combination of temperature and humidity into one number to reflect perceived temperature
- Heat stress index scale
- Indoor and outdoor temperature
- Outdoor humidity
- Min/max memory
- °C and °F switchable
- Wireless transmission range: 45 m/150'

**INDOOR THERMOMETERS FOR HUMIDITY & TEMPERATURE**
- Indoor temperature and relative humidity
- Min/max memory
- °C and °F switchable

**INDOOR OUTDOOR THERMOMETERS W/CLOCK**
- Displays indoor and outdoor temperatures and indoor relative humidity
- Multiple remote sensor capability
- Humidity range: 20 to 95% RH
- Indoor temperature range: 0 to 50°C (32 to 122°F)
- Outdoor temperature range: -35 to 60°C (-31 to 140°F)
- Includes indoor monitor and remote temperature sensor
- Power supply: 2 x 1.5 V AA batteries for both monitor and sensor

**BEAUTIFUL DESIGN**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA285</td>
<td>119</td>
<td>Thermometer w/Clock</td>
<td>59.00</td>
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<tr>
<td>IAS04</td>
<td>261BC</td>
<td>Wireless Humidex Thermometer</td>
<td>63.90</td>
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<tr>
<td>IAS06</td>
<td>261BC</td>
<td>Thermometer for Humidity &amp; Temperature</td>
<td>22.00</td>
</tr>
<tr>
<td>IAS07</td>
<td>312BC</td>
<td>Indoor Outdoor Thermometers w/Clock</td>
<td>37.00</td>
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</tbody>
</table>
THERMO-HYGROMETERS
COMPACT THERMO-HYGROMETER WITH INTEGRAL PROBE FOR CONVENIENT ONE-HAND OPERATION

- Dual LCD readout shows ambient temperature and relative humidity
- User selectable °F/°C
- Min/Max memory for both functions
- Data hold and relative functions
- Auto power off
- Includes battery
- Humidity Range: 0 to 100% RH
- Temperature Range: -4 to 140°F (-20 to 60°C)

Model No. | Mfg. No. | Description | Price/Each
----------|----------|-------------|-------------
IA441     | R6001    | Thermo-Hygrometer | $59.00

THERMO-HYGROMETERS

- Dual LCD display shows ambient temperature and relative humidity
- Humidity Range: 10% to 95% RH
- Temperature Range: 0° to 50°C/32° to 122°F
- User selectable °C/°F
- Data Hold and Min/Max function for humidity
- Compact and lightweight
- Battery included

Model No. | Mfg. No. | Description | Price/Each
----------|----------|-------------|-------------
HX287     | LM-81HT  | Thermometer-Hygrometer | $119.00
IN413     | CA-52-A  | Soft Carrying Case | $15.00

TEMP/RH DATA LOGGERS
MONITORS BOTH AMBIENT TEMPERATURE & RELATIVE HUMIDITY

- Stores up to 16 000 temperature and 16 000 humidity readings
- User selectable measurement rate from 2 seconds to 24 hours
- Alarm display if user-defined max/min values are exceeded
- Displays all status information through two LEDs
- Simply plug the logger into the USB port of your computer to begin downloading - no cables or wires are required
- Includes wall mount bracket and Windows® compatible software
- Temperature Range: -40 to 70°C (-40 to 158°F)
- Humidity Range: 0 to 100% RH

Model No. | Mfg. No. | Description | Price/Each
----------|----------|-------------|-------------
IA793     | SD-3007  | Thermometer/Hygrometer | $359.00
IB835     | SD-4GB   | Memory Card - 4 GB | $29.00

GET CLEAN
Industrial handsoap with scrubbing particles for stubborn grease and grime
TRY SOME TODAY!

Model JG223
See page 331
HEAT STRESS METERS

- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight.
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat.
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface.
- In/Out function displays the WBGT value with or without direct sun exposure.
- View individual temperatures or indices in either °F or °C.
- User adjustable WBGT threshold with audible alarm if threshold is exceeded.
- Built-in RS32 and USB interface.
- Tripod mount design for long term monitoring.

SPECIFICATIONS:
- Air Temp. Range: 0.0 to 50.0°C (32 to 122°F)
- Black Globe Temp. Range: 0.0 to 80.0°C (32 to 176°F)
- Humidity Range: 0 to 100% RH

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA639</td>
<td>R778</td>
<td>Heat Stress Meter</td>
<td>219.00</td>
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<tr>
<td>IB820</td>
<td>R1500</td>
<td>Tripod</td>
<td>95.00</td>
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<tr>
<td>HX115</td>
<td>HR35</td>
<td>33% Humidity Calibration Standard</td>
<td>69.00</td>
</tr>
<tr>
<td>HX114</td>
<td>HR75</td>
<td>75% Humidity Calibration Standard</td>
<td>68.94</td>
</tr>
</tbody>
</table>

PSYCHROMETERS

- Simultaneous display with % RH, temperature and dew point or wet bulb or external probe temperature (requires IA108).
- Calculates T1-T2 (Air temp. - External probe temp.) (requires IA108).
- Triple display with backlighting.
- Max/Min readings.
- Sensor cap closes to protect probe during storage.
- Retrieve Max/Min/Avg readings from stored data.
- Real time clock.

SPECIFICATIONS:
- Humidity Range: 0 to 100% RH
- Dew Point Range: -90°C to 122°F (-68°F to 50°C)
- Wet Bulb Range: -5°C to 122°F (-21 to 50°C)
- Internal Temp. Range: -4°C to 122°F (-20 to 50°C)
- External Temp. Range: -4°C to 158°F (-20 to 70°C)

<table>
<thead>
<tr>
<th>Model No.</th>
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</thead>
<tbody>
<tr>
<td>IA000</td>
<td>R706</td>
<td>Digital Psychrometer</td>
<td>125.00</td>
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<tr>
<td>IA108</td>
<td>R796</td>
<td>Temperature Probe</td>
<td>25.00</td>
</tr>
<tr>
<td>HX115</td>
<td>HR35</td>
<td>33% Humidity Calibration Standard</td>
<td>69.00</td>
</tr>
<tr>
<td>HX114</td>
<td>HR75</td>
<td>75% Humidity Calibration Standard</td>
<td>68.94</td>
</tr>
</tbody>
</table>

TEMP/RH DATA LOGGERS

- Records up to 32 thousand ambient temperature and relative humidity readings.
- User selectable recording intervals from 1 s to 24 h.
- Minimum/Maximum function with alarm.
- Real-time clock stores data and time.
- LCD readout displays current temperature (°F or °C) or humidity reading, min/max reading with date and time.
- Download data directly to a PC via USB cable supplied.
- Includes data logger, mounting bracket, waterproof case, PC software, USB cable, and data card.

SPECIFICATIONS:
- Ambient Temperature Range: -40 to 70°C (-40 to 50°C)
- Humidity Range: 0% to 90% RH

<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Price/Each</th>
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<tbody>
<tr>
<td>IA660</td>
<td>R600</td>
<td>Temperature/RH Data Logger</td>
<td>179.00</td>
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</table>

HEAT STRESS STOP WATCHES

- Measures temperature and humidity, and calculates heat index as well as dew point.
- Combines air temperature and relative humidity measurements in an attempt to determine the human-perceived equivalent temperature or “how hot it feels”.
- Calendar mode displays day, date and time.
- Stopwatch/chronograph mode with 1/100 second resolution.
- Fastest/slowest/Average Lap recall.
- 99 lap counter with 30 laps/split memory.
- 10 hour countdown timer with audible beeper warning for the last 5 seconds.
- 12 or 24 hour clock operation.
- Full LCD display with LED backlight.
- Silent operation option.
- Dual power: solar panel and battery.
- 1 ATM water resistant (IPX4 rated).

SPECIFICATIONS:
- Timing Capacity: 9 hrs, 59 mins, and 59 secs
- Accuracy: ± 3 seconds/day
- Lap Memory: 30 laps
- Heat Index Range: 70 to 122°F (22 to 50°C)
- Temperature Range: 23 to 122°F (-5 to 50°C)
- Humidity Range: 0 to 99% RH
- Dimensions: 2.65 x 3.6 x 0.9” (67.5 x 92 x 23 mm)
- Weight: 2.93 oz (83 g)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>IA687</td>
<td>SW700</td>
<td>Heat Stress Stop Watch</td>
<td>49.00</td>
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</tbody>
</table>
TEMPERATURE/HUMIDITY METERS, LOGGERS & RECORDERS

HANGING HYGROMETERS
- Measures relative humidity by comparing readings of wet bulb and dry bulb thermometers
- Accuracy obtained by creating rapid air circulation around bulbs
- Non-mercury red spirit filled thermometers
- Range: -10 to 130°F (-5 to 50°C)
- Plastic moulded case
- Plastic reservoir
- Dimensions: 4” x 10”

DIAL THERMO-HYGROMETERS
- 5” diameter stainless steel dial
- Flange mounting
- Bi-metallic temperature sensor
- Temperature Range: 0 to 120°C, 1°C divisions
- ± 1% temperature accuracy
- Synthetic hair hygrometer
- Humidity Range: 0 to 100% RH, 2% RH divisions
- ± 5% humidity accuracy
- On-site adjustments possible

TEMPERATURE RECORDER
- 4-digit display and 3-button keypad make configuration changes fast and easy
- User interface provides access to test and calibration facilities with dual function MODE switch
- Up to 2 pens available, each with configurable spans
- Just one jumper to configure each input port
- 10" chart rotates at user selectable speeds
- NEMA 3 case standard
- Input Type
  - Type J/T/C: 0 to 760°F (0° to 1400°F)
  - Type K/T/C: 0° to 1360°F (0° to 2500°F)
  - Type T/C: 200° to 1650°F (400° to 3000°F)
  - Type S/T/C: 200° to 1650°F (400° to 3000°F)
  - 100Ω Platinum RTD: 0° to 400°F (-220° to 750°F)
- DC Current: 0-20 mA, 4-20 mA
- DC Voltage: 0-25 mV, 50 mV, 10-50 mV, 0-5 V, 1-5 V

MODEL NO.  |
MFG. NO.  |
DESCRIPTION |
PRICE/EA

IA528
WD-S
Wet Bulb/Dry Bulb Hygrometer
39.00

IA532
TH600
Dial Thermo-Hygrometer
49.00

IA096
51000011
One Pen Temperature Recorder
1985.00

IA097
51100011
Two Pen Temperature Recorder
2640.00

THERMO-HYGROMETERS
- Dual LCD display shows ambient temperature and relative humidity
- Humidity Range: 10% to 95% RH
- Temperature Range: 0° to 50°C/32° to 122°F
- User selectable °C/°F
- Data Hold and Min/Max function
- Compact and lightweight
- Battery included

MODEL NO.  |
MFG. NO.  |
DESCRIPTION |
PRICE/EA

HX287
LM-818HT
Thermometer-Hygrometer
119.00

HN413
CA-52A
Soft Carrying Case
15.00

ZENITH Safety Products

SAFETY
GLOVES
TRAFFIC CONTROL

EREYWEAR

SPILL CONTROL

SPLG] 1536
MOISTURE METERS

- Ideal for use on any construction site
- Measures the moisture content of sawn timber (also cardboard and paper) and hardened materials like plaster, concrete and mortar
- Measuring Range: Wood: 6 to 44%; Material: 0.2 to 2.0%
- Accuracy: Wood: ± 1%; Material: ± 0.05%
- Average adjustment for European wood based on a wood temperature of 20°C
- Impact proof plastic housing
- Auto-power-off
- 8 mm long integrated electrode is replaceable

MOISTURE DETECTORS

- Detects moisture content in building materials of all kinds, as well as detects moisture distribution in walls, ceilings and floors
- Non-destructive - moisture sensor runs smoothly over the surface being tested without scratching or penetrating the surface
- Display Hold button
- Max/Min function with alarm indication
- LCD display with backlighting
- Low battery indication with auto power off
- Measuring Range: 0.0 to 100.0% Moisture Content
- Penetration Depth: 20 to 40 mm

MOISTURE DETECTORS

- Pocket-size electronic, non-destructive detector that provides moisture readings instantly and accurately
- Detects moisture beneath the surface being tested by measuring the resistance between two low-frequency signals transmitted from conductive pads on the base of the instrument
- Soft conductive electrode pads on the base of the instrument run smoothly over the surface being tested and immediately identify moisture without scratching or penetrating the surface
- Three sensitivity scales:
  - Scale 1: Timber and wood products
  - Scale 2: Felt roofing
  - Scale 3: Plaster and brick

WATER DAMAGE & RESTORATION KIT

- Pin and Pinless functions detect moisture in wood and building materials
- Displays icons to indicate low, medium or high levels of moisture and an audible alert that increases in frequency as detected moisture level rises
- Pinless measurement depth up to 1” (25mm)
- Built-in measurement verification and battery check
- Low battery indicator and auto shut-off
- Replaceable pins
- Pin Mode Measuring Ranges:
  - 5-50% (wood); 1.5-33% (building materials)
- Pinless Mode Measuring Ranges:
  - 0 to 99.9% (wood and building materials)
- Pin Mode Depth Detection: 0.3” (8mm)
- Pinless Mode Depth Detection: Up to 1” (25mm)
- Pin Mode Accuracy: ±(3% + 5 dgt.)
- Power Supply: 9V battery
- Display: LCD
- Temperature Range: 41°-113° F (5° - 45° C)
- Moisture Range: 0 - 80%
- Includes: Dual moisture meter, pins, protective caps and battery

WOOD MOISTURE METERS

- Memory contains eight wood groups with calibrations for approximately 170 species of wood
- Built-in 2-point calibration check
- User settable auto power off with override
- Low battery indication
- Integral contact pins are replaceable, remote moisture electrode pins are not replaceable
- Complete with remote hand press moisture electrode, temperature probe, protective cap, replacement pins, two AAA batteries, and soft carrying case

SPECIFICATIONS:
- Measuring Principle: Electrical resistance
- Measuring Range: 6 to 99.9% MC
- Accuracy: ± 1% MC
- Temp. Compensation: -31 to 176°F (-35 to 80°C)
- Power Supply: Two AAA batteries
- Dimensions: 7 x 1.9 x 2” (180 x 50 x 31 mm)
- Weight: 6.1 oz (175 g)
THICKNESS, COATING & HARDNESS METERS

COATING THICKNESS GAUGES

- Fast, repeatable measurements
- No calibration required for most applications
- Zero feature for rough or curved surfaces
- Reset feature when no reference is available
- Audible and visible measurement indication
- V-groove in probe for positioning on cylindrical parts
- Strong, wear-resistant ruby-tipped probe
- Mills/micros switchable
- Model THZ328 measures non-magnetic coatings on steel
- Model THZ327 measures both non-magnetic coatings on steel and non-conductive coatings on aluminum, brass, etc. automatically recognizes the substrate
- Gauge comes complete with built-in probe, plastic shims, hard shell storage case, "AA" battery and instructions
- Measuring Range: 0 to 40 mils; 0 to 1000 µm

DeFelsko

<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>THZ328</td>
<td>DFF1</td>
<td>Coating Thickness Gauge</td>
<td>206.00</td>
</tr>
<tr>
<td>THZ327</td>
<td>DFT1001</td>
<td>Coating Thickness Gauge</td>
<td>1037.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS GAUGES

BASIC MODELS

- Larger, easy-to-read LCD with menu-driven user interface
- Flip display with backlight
- Instant automatic gauge set-up
- Average zero and automatic reset features
- Integral constant pressure probe (separate probe models available)
- Mills/micros/mm switchable
- Measuring Range: 0 to 60 mils; 0 to 1500 µm

MEMORY MODELS, ADD

- Storage of 10,000 readings in up to 200 groups
- SSPC PA-2 capability

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<table>
<thead>
<tr>
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<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>HC779</td>
<td>F1</td>
<td>Basic Coating Thickness Gauge, Non-magnetic on Ferrous</td>
<td>891.00</td>
</tr>
<tr>
<td>HC781</td>
<td>F3</td>
<td>Memory Coating Thickness Gauge, Non-magnetic on Ferrous</td>
<td>1461.00</td>
</tr>
<tr>
<td>HC786</td>
<td>N1</td>
<td>Basic Coating Thickness Gauge, Non-conductive on Non-Ferrous</td>
<td>991.00</td>
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<tr>
<td>HC788</td>
<td>N3</td>
<td>Memory Coating Thickness Gauge, Non-conductive on Non-Ferrous</td>
<td>1561.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS GAUGES

Dual technology provides automatic recognition for ferrous (F) and non-ferrous (NF) metal substrates
- Magnetic induction for ferrous metal substrates
- Eddy current measurement for non-ferrous metal substrates
- One or two point calibration
- User-settable high/low alarms
- Min/Max/Average
- Memory stores 400 readings
- Measuring range: 0 to 1250 µm, 0 to 49.21 mils
- Min. curvature radius: F: 1.5 mm; NF: 3 mm
- Min. area diameter: F: 7 mm; NF: 5 mm
- Min. substrate thickness: F: 0.5 mm; NF: 0.3 mm
- Includes: Two AAA batteries, USB cable, software, calibration iron, calibration aluminum, precision standards and carrying case
- Accredited calibration available

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<table>
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<tr>
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<th>Description</th>
<th>Price/Each</th>
</tr>
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<tbody>
<tr>
<td>IA658</td>
<td>ST-156</td>
<td>Coating Thickness Gauge</td>
<td>339.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS CALIBRATION KIT

For use with coating thickness gauges

DeFelsko

<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB875</td>
<td>R9050</td>
<td></td>
<td>69.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS GAUGES

- Fast measurement of total coating thickness
- No adjustment required to measure most coatings
- Proven non-destructive ultrasonic technique
- Mills/micros switchable
- Internal memory stores up to 1000 readings
- Easy-to-read, scratch resistant LCD
- Flip display enables easy side-up viewing whether gauge is in your hand or on a table
- Sturdy compact design is solvent, acid, oil, water and dust resistant
- Constant pressure, plastic tipped probe will not scratch surface
- Comfortable, ergonomic finger grip reduces operator fatigue
- Infrared and RS232 ports
- Gauge comes complete with probe, precision plastic shims, couplant, 2 "AA" batteries, carrying case and instructions
- Measuring Range: 1 to 40 mils; 25 to 1000 µm

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<table>
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<th>Description</th>
<th>Price/Each</th>
</tr>
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<tbody>
<tr>
<td>THZ236</td>
<td>200</td>
<td>Coating Thickness Gauge</td>
<td>2700.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS GAUGES

- Permanently calibrated
- Positive visual and audible indicators to designate thickness reading is established
- "V" grooves in probe housing and gauge base to allow correct positioning on cylindrical objects
- GO/NO-GO buttons can be preset for rapid measurement
- Probe contact and dial rotation all in one finger operation
- Compact, lightweight, independent of gravity - can be used in any position
- Stable overall design, positive positioning, no pivoting tendencies during measurements
- Can be fully supported or with only front probe area contacting surface
- Functions on a permanent rare-earth cobalt magnet, no battery
- Rugged housing, not affected by mechanical shock, water, acid or solvents
- Highly wear resistant carbide measuring probe

MODEL HF678

- Measuring range: 0 to 80 mils

MODEL HF721

- Measuring range: 0 to 8 mils

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<table>
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</tr>
</thead>
<tbody>
<tr>
<td>HF678</td>
<td>FM</td>
<td>Coating Thickness Gauge</td>
<td>428.00</td>
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<tr>
<td>HF721</td>
<td>GM</td>
<td>Coating Thickness Gauge</td>
<td>428.00</td>
</tr>
</tbody>
</table>

COATING THICKNESS GAUGE

- Measures the thickness of non-magnetic coatings on magnetic or non-magnetic metal substrates
- Automatic probe recognition
- Automatic calibration
- Large, easy-to-read LCD provides exact readings without guessing or errors
- µm/mil conversion switch
- Includes hard carrying case and batteries
- Probes sold separately
- Measuring Range: 0 to 1000 µm (0 to 40 mils)
- Resolution: 0.1 µm
- Accuracy: ±1 to 3% or 2 µm, whichever is greater
- Sampling time: 1 second
- Power supply: 4 x 1.5V "AA" batteries

IA673

IAT02

IA703

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<table>
<thead>
<tr>
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<td>IA-8822</td>
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<tr>
<td>IA702</td>
<td>CN-8822FPFROBE</td>
<td>Ferrous Probe</td>
<td>179.00</td>
</tr>
<tr>
<td>IA703</td>
<td>CN-8822NFPROBE</td>
<td>Non-Ferrous Probe</td>
<td>179.00</td>
</tr>
</tbody>
</table>
ULTRASONIC THICKNESS GAUGE

• Able to gauge thickness measurement without requiring access to both sides of the test piece
• Determines sample thickness by measuring the amount of time it takes for sound to travel from the transducer through the material to the back end of a part and back
• Calculates the data based on the speed of the sound through the tested sample
• Capable of performing measurements on a wide range of material including metals, plastic, ceramics, composites, epoxies, glass, and other ultrasonic conductive materials
• Zero function and sound velocity calibration
• Two-point calibration • Display: Digital
• Coupling status indicator • Measuring Mode: Ultrasonic
• Can be easily deployed, does not require laboratory conditions
• Thickness Range: 0.03” - 15.7” (0.65 mm - 400.0 mm)
• Sound Velocity Range: 1000 to 9999 m/s (0.039 to 0.394 in/µs)
• Measurement Speed: 4 per second for a single point measurement
• Memory: 5 files, up to 100 values for each file (total of 5000 logs)
• Power Supply: 2 x 1.5V AA batteries • Frequency: 5MHz
• Measurement Range: 1.2 to 300.00mm (steel)
• Includes ultrasonic couplant gel, probe, hard carrying case and batteries

Model No. Mfg. No. Description Price/Each
IB827 £7900 Ultrasonic Thickness Gauge £995.00
IB887 £7900-Probe Replacement Probe £255.00

R9030 HARDNESS TESTERS

• Rebound hardness testing is particularly useful for large, coarse grained materials, forged parts and all types of cast materials
• Measures the velocity of a propelled impact body directly before and after the impact onto the material's surface
• Capable of automatically converting and displaying measurements into Rockwell (HR, HRC, HRA, HRA), Brinell (HB), Leeb (HL), Vickers (HV) and Shore (HS) hardness values
• Materials that can typically be tested include cast steel, alloy tool steel, stainless steel, aluminum, bronze, copper, cast irons, etc.
• Conversion of measurements to tensile strength (L.T.S.)
• Large capacity memory can store up to 350 groups of information (depending upon impact times) including measurement value, mean value, testing date, impact direction, impact times, material and hardness scale
• ATEX USB data interface
• Operates on a rechargeable lithium battery
• 128 x 32 dot matrix LCD with battery life display
• Includes: R9030 Hardness Tester, D Impact Device, Small Supporting Ring, Leeb Test Block, Nylon Brush, Battery Charger, Data Processing Software, Communication Cable
• Hardness Scale: HLD, HRC, HB, HRA, HV, HB, HS
• Measuring Range: HLD: 770 to 96, HRA: 59 to 85, HRC: 13 to 100, HV: 20 to 68, HB: 19 to 651, HV: 80 to 967, HS: 30 to 100

Model No. Mfg. No. Description Price/Each
IB748 £R9030 Hardness Tester £1795.00

THICKNESS GAUGES

• Exclusive micro-computer LSI circuit and crystal time base offer high accuracy
• Digital display provides exact readings without guessing or errors
• Broad band receiving sensitivity means the meter can read probes of different frequencies
• Auto calibration
• Automatic material calibration
• Selectable metric or imperial
• Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
• Display sound velocity at the touch of a button
• Measuring range: 1.5 to 200.00 mm #45 steel
• Velocity range: 500 to 9000 m/s

Model No. Mfg. No. Description Price/Each
HK999 TM-8818 Ultrasonic Thickness Gauge £459.00
IA746 TM-8818 Probe Replacement Probe £195.00

STEEL HARDNESS TESTERS

• Designed for accurate, rapid in place measurement of the hardness of steel and steel alloys in the range from 20 to 65 on the equivalent Rockwell C Scale
• Unit consists of two major components: calibrated indenter and direct reading microscope
• Hand-held impact indenter drives a 1/16" diameter tungsten carbide ball into the sample being tested
• Resulting indentation diameter is measured with 60X microscope
• Calibrated reticle in the microscope reads C Scale directly with an accuracy of ± .1 points
• Illumination system features a MagLite® flashlight with a fiber optic pipe that directs the light to the focus of the microscope
• Flat or curved surfaces of virtually any configuration may be measured
• Particularly useful where the test piece is too large or too heavy to test on bench-type tester

Model No. Mfg. No. Description Price/Each
HDB950 316 Steel Hardness Tester £1294.00

DUROMETERS

• Digital durometer for Shore A hardness testing
• Designed to measure the penetration hardness of rubber, elastomer and other rubber-like substances such as neoprene, silicone and vinyl
• Pocket-sized model with integrated probe
• Measures maximum value
• Calculates average value
• Push-button zero calibration
• Bright, class: 4-digit, 10 mm high LCD readout
• Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215

SPECIFICATIONS:
• Measuring range: 0 to 90 HA
• Resolution: 0.1 HA
• Deviation: ± 1 HA

Model No. Mfg. No. Description Price/Each
IA632 HT-6510A “A” Scale Durometer £449.00

DUROMETERS

• Models feature a heat-treated, high carbon steel mainspring that is calibrated to meet or exceed ASTM Specification D2240-81
• Special cam permits a scale deflection of 100 points when the indenter is displaced exactly 0.100 inch
• Dial scale is extended over 240 circular degrees, accurate to within ± 1 division
• Threaded mounting knob at the top of each durometer permits permanent test stand emplacement
• Resettable ancillary pointer will register the peak durometer reading against all vibrations met in normal use

MODEL HB548
• “A” Scale durometer measures the indentation hardness of rubber, elastomers, and other rubber-like substances such as neoprene, silicone, vinyl and butyl. It can also be used for soft plastics, felt leather and similar materials

MODEL HB538
• “D” Scale durometer is designed for hard plastics - polyurethanes, vinyls, Formica, Plexiglas - hard rubbers and phenolic moulded materials

Model No. Mfg. No. Description Price/Each
HB548 30EL “A” Scale Durometer £924.00
HB549 307L “D” Scale Durometer £924.00
HB538 302DL Sponge Rubber Durometer £924.00
## SOUND LEVEL METERS

### SOUND DETECTORS
- Compact, lightweight and user friendly
- LED Alert screen provides a quick visual reference of sound levels
- Provides average sound pressure level and delivers a steadier reading in environments such as manufacturing facilities or machine shops where noise levels are often highly variable

**Temperature ranges:**
- Operating temperature: 32°F to 104°F (0°C to 40°C)
- Relative humidity: 0% - 90%, non-condensing

**Specifications:**
- Size: 6.5" x 2.4" x 0.9" / 16.5 cm x 6.1 cm x 2.3 cm
- Weight: 4.4 oz (125 g) approx.
- Battery: Lithium polymer (1000 mAh), rechargeable
- Run-time: 50+ hours without LEDs activated
- Low battery indicator

**Measurements:**
- Sound Pressure Level (SPL), Average value (LEQ/LAVG), LED Alert (with Hearing Protection icon)
- Weighting: A or C
- Exchange Rate (ER): 3 dB or 5 dB
- LED Alert Levels:
  - Green LED Flashes when noise measurements are between 80 to 85 dB
  - Yellow LED Flashes when noise measurements are between 85 to 105 dB

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA849</td>
<td>5D-200</td>
<td>Sound Detector</td>
<td>495.00</td>
</tr>
</tbody>
</table>

### SOUND LEVEL METERS/DATA LOGGERS
- Measuring Range: 30 to 90 dB, Low: 30 to 90 dB; Med: 50 to 110 dB; High: 70 to 130 dB
- Dynamic Range: 60 dB
- Resolution: 0.1 dB
- Batteries: 4 x AAA batteries
- Operating temperature: 32 ºF to 104 ºF (0 ºC to 40 ºC)
- Frequency Range: 20 Hz to 8 kHz
- Frequency Weighting: A and C
- Microphone: 1/2" electret condenser
- Power Supply: 4 x AAA batteries
- Meets IEC 61672-1 Class 2 requirements
- Records up to 64,000 datapoints (1 MB)
- 60 dB dynamic space in each range
- Real time clock and calendar
- Fast/slow time weighting
- Min/Max function • USB Interface
- Analog digital bar graph • Backlit LCD display
- Tripod mount design for long-term monitoring
- Includes windscreen, USB cable, Windows software, batteries and hard carrying case

<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB749</td>
<td>80/60</td>
<td>Sound Level Meter/Data Logger</td>
<td>395.00</td>
</tr>
</tbody>
</table>

### WIND SHIELD BALLS
- Wind shield ball for sound level microphones
- Compatible with all Reed sound level meters
- Size: 65 mm dia.

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>RM4000</td>
<td>10/60</td>
<td>Wind Shield Ball</td>
<td>56.99</td>
</tr>
</tbody>
</table>

### SOUND CALIBRATORS
- Two outputs levels 94 dB and 114 dB (at 1 kHz)
- Diecasting aluminum alloy housing case
- Two 9 V batteries
- Size: 50 mm dia. x 82 mm

<table>
<thead>
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<th>Model No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>IA661</td>
<td>5C-05</td>
<td>Sound Calibrator</td>
<td>249.00</td>
</tr>
</tbody>
</table>

### NOISE INDICATOR BADGES
- Designed to alert users when noises in an area reach potentially hazardous levels
- Small size and lightweight design make it ideal for workers in a variety of industries
- Clips to clothing using LED light to offer real-time noise detection
- Red flashing LED: Indicates noise levels are above 85 dBA and hearing protection may be required
- Green flashing LED: Indicates noise levels are below 85 dBA and hearing protection may not be necessary
- Rechargeable lithium polymer battery operates up to 200 hours between charges
- Charging cable not included

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<tr>
<th>Model No.</th>
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<th>Price/Each</th>
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<tbody>
<tr>
<td>IA649</td>
<td>51-100</td>
<td>Noise Indicator Badge</td>
<td>63.78</td>
</tr>
</tbody>
</table>

### OTHER ACCESSORIES
- Sound Calibrator
- Sound Level Meter/Data Logger
- Wind Shield Ball
- Sound Indicator Badge
- Cleanroom probe
- Windscreen
- Adapter/Converter
- iPod mount design for long-term monitoring
- Includes windscreen, USB cable, Windows software, batteries and hard carrying case

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**Note:** The above prices are subject to change and are for reference only. For the most current pricing, please refer to the latest catalog or contact your local distributor.
### LIGHT METERS

- Designed for one-hand operation and to fit easily into a tool belt or pocket
- Auto ranging
- Data Hold and Min/Max functions
- Auto shut-off and zero adjust button
- Over range and low battery indications
- Ranges: 0 to 20 000 lux; 0 to 20000 fc
- User selectable Lux/Fc
- Includes battery

#### LIGHT METERS

**Model No.:** HM812

**Description:** Light Meter

**Price/Each:** $199.00

### LIGHT METERS

- Dual range measurement (Hi/Lo)
- A and C frequency weighing
- Large, easy-to-read LCD display
- Electret condenser microphone for high accuracy and long term stability
- AC/DC output signal for use with dataloggers
- Data Hold, Max Hold functions and low battery indication
- Meets IEC612 Type 2 requirements
- Measuring range: Low: 65 to 135 dB (A and C)
- High: 65 to 135 dB (A and C)
- Sampling time: 1.5 times/second
- High accuracy and long term stability
- Accuracy: ±5% of reading
- Accuracy: ±5% of reading
- Sampling time: 2 times/second

#### LIGHT METERS

**Model No.:** HM812

**Description:** Light Meter

**Price/Each:** $199.00

### LIGHT METERS

- User selectable Lux/Foot-candles
- Max and data hold function
- 3-1/2” digit LCD display
- Over range and low battery indication
- Auto shut off
- Compact and lightweight
- Data logging
- Includes: Light Meter, Battery, Carrying Case
- Measuring range: 0-5000 Fc; 0-50 000 ftc
- Resolution: 0.1 lux/Fc
- Sampling time: 0.1 times/second
- Measuring range: 0-20 000 lux
- Resolution: 0.1 lux
- Sampling time: 1.5 times/second

#### LIGHT METERS

**Model No.:** HM812

**Description:** Light Meter

**Price/Each:** $199.00

### LIGHT METERS

- Digital dual filter light meter designed to measure a wide range of lighting types
- Large, 3-digit, 0.5” high, LCD display provides clear readouts even in high ambient light levels
- Zero adjustment screw
- Data logging
- Over range and low battery indication
- Measuring range: 0-200000 lux
- Resolution: 1, 10 lux
- Accuracy: ±5% of reading
- Sampling time: 2 times/second

#### LIGHT METERS

**Model No.:** HM812

**Description:** Light Meter

**Price/Each:** $199.00

### LIGHT METERS

- Measures relative humidity, air velocity, light levels, and temperature with a type J/type K thermocouple thermometer
- Real time data logger with integral 4 GB SD memory card (optional)
- RS232 and USB interface
- Light levels are measured in ftc or lux
- Temperature is measured in °C or °F
- Light range: 2000, 20 000, 100 000 lux
- Temp. range: J: -100º to 1200 ºC; K: -50º to 1200 ºC
- Humidity range: 5% to 95% RH
- Air velocity range: 0.4 to 25.0 m/s; 1 to 94 ft/min, km/h, mgh or knots
- Light levels are measured in fc or lux
- Light range: 0 to 20 000 lux

#### LIGHT METERS

**Model No.:** HM812

**Description:** Light Meter

**Price/Each:** $199.00
**TACHOMETERS**

- Dual function unit with both contact and non-contact capabilities
- Supplied with adapters for fpm, rpm and surface speed measurements
- Non-contact function utilizes laser light beam for improved accuracy
- Recalls Max/Min and last values
- Large, easy-to-read display
- Auto-ranging with 0.05% accuracy and permits readings to a resolution of 0.1 rpm in either photo or contact mode

**Ranges:**
- From 0.5 to 20,000 rpm in contact mode.
- From 5 to 99,999 rpm in photo mode.
- Surface speed: From 0.05 to 1999.9 mpm (0.2 to 6560 fpm)

**Features:**
- Automatically holds last reading for five minutes and recalls min. and max. readings
- Linear surface speed measurements are 0.2 to 6560 fpm or 0.05 to 1999.9 mpm
- Characters on the large 5-digit display reverse direction depending on which measurement mode you are in
- Provides accuracy to 0.05% and permits readings to a resolution of 0.1 rpm in either photo or contact mode

**Compamat Photo Tachometer**

- Provides fast and accurate RPM measurements of rotating objects without contact and revolution count of moving objects.
- Built-in Laser pointer identifies target area.
- Durable double molded plastic housing and large backlit LCD display.
- Internal memory recalls maximum, minimum values as well as last value stored.
- Low battery indicator and auto shut-off.
- Visible Indicator: Yes (Laser).
- Target Distance: 1.6ft (500mm).
- Display Size/Type: 5 Digit LCD Display.
- Auto shut-off: Yes (after 10 secs).
- Power Supply: 9V battery.
- Product Certifications: CE.
- Dimensions: 6-5/16" x 2-5/16" x 1-1/2"

**Compact Photo Tachometer**

- Patented design incorporates both a photo and a contact tachometer into one precision instrument.
- Ranges: From 0.5 to 20,000 rpm in contact mode; from 5 to 99,999 rpm in photo mode; surface speed from 0.05 to 1999.9 rpm (0.2 to 6560 fpm).
- Linear surface speed measurements are 0.2 to 6560 fpm or 0.05 to 1999.9 rpm.
- Automatically holds last reading for five minutes and recalls min. and max. readings.
- Characters on the large 5-digit display reverse direction depending on which measurement mode you are in.
- Provides accuracy to 0.05% and permits readings to a resolution of 0.1 rpm in either photo or contact mode.

**REED**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>HX386</td>
<td>R7100</td>
<td>Photo/Contact Tachometer</td>
<td>179.00</td>
</tr>
<tr>
<td>IA466</td>
<td>ST-CONE</td>
<td>Replacement Contact Adapter</td>
<td>5.00</td>
</tr>
<tr>
<td>IA467</td>
<td>ST-WHEEL</td>
<td>Replacement Surface-Speed Wheel</td>
<td>20.00</td>
</tr>
<tr>
<td>IA470</td>
<td>ST-TURBINE</td>
<td>Replacement Funnel Tip</td>
<td>11.00</td>
</tr>
<tr>
<td>IA471</td>
<td>ST-SHAFT</td>
<td>Replacement Extension Shaft</td>
<td>13.00</td>
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</tbody>
</table>

**COMPACT PHOTO TACHOMETER**

<table>
<thead>
<tr>
<th>Model No.</th>
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<th>Price/Each</th>
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</thead>
<tbody>
<tr>
<td>IA419</td>
<td>R7050</td>
<td>Photo Tachometer</td>
<td>125.00</td>
</tr>
</tbody>
</table>

**HF964 LASER DISTANCE METERS**

- Easily measure hard-to-access areas, like high ceilings, with laser targeting.
- Instant measurement with one-button operation.
- Quick calculation of area (square footage) and volume.
- Easy addition and subtraction of measurements.
- Pythagorean calculation for determining distance indirectly from two or three other measurements.
- Reference point setting function.
- Metric or Imperial units of measure.
- Display backlight.
- Storage of last 10 measurement results.
- Measuring Range: -0.16' - 147.6' (-0.05 m - 45 m).
- Accuracy: ≤10 m: ±2.00 mm; >10 m: ±2 mm ±0.05 (x distance in metres -10).
- Laser type: Class II, <1 mW, 620 to 690 nm.
- Power supply: 2 x AAA 1.5 V batteries.

**IB750**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB750</td>
<td>R8002</td>
<td>Laser Distance Meter</td>
<td>75.00</td>
</tr>
</tbody>
</table>

Can’t find what you’re looking for? Call us today!

**Contact Information**

- Phone: 1542
- Email: sales@yourcompany.com
- Website: www.yourwebsite.com

**Additional Information**

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- Tools & Equipment
- Welding & Metalworking
- Safety Equipment & Supplies
- Janitorial & Maintenance
- Material Handling & Storage
- Janitorial & Maintenance
- Safety Equipment & Supplies
- Welding & Metalworking
- Tools & Equipment
- Shipping & Packaging
- Instruments, Scales & Electrical
- Office Products
TALLY COUNTERS

MODEL HD317 HAND TALLY COUNTERS
- Sturdy 4-figure hand-operated reset counter
- Push button actuator and handy thumb ring for easy operation
- Chrome plated steel case resists damage from perspiration
- Recommended for applications where operator must be mobile, such as checking meeting attendance, taking warehouse inventories, etc.

MODEL HD339 STAND TALLY COUNTERS
- Sturdy 4-figure hand-operated reset counter
desk, bench or clipboard mounting
- Heavy gauge steel case and base
- Chrome plated to resist corrosion
- Recommended for fixed applications such as assembly line parts counting, traffic surveys, etc.

PLASTIC RATCHET COUNTERS
- Reliable, low cost, plastic counters for all purposes
- Operated by stroke (ratchet) drive
- Counts with one 45° adjustable lever movement
- 5-figure register with knob reset
- Supplied with connecting spring
- 5-figure reset counter counts machine revolution
- Adds when lever is revolved clockwise

STOP WATCHES

MODEL IA078
- High contrast digital display with backlight
- Clock, date and alarm functions
- Records real time and split times
- Remembers first 30 laps and their split times (max. 99 laps displayed)
- 1/100th second resolution up to 100 hours
- Shock and water-resistant case

MODEL IA006
- Large LCD that displays real time and records split times for accurate result
- Clock, date and alarm function
- Water-resistant
- Includes: Batteries and a 48" nylon lanyard which allows you to comfortably hang the stopwatch around your neck

K4030 STROBOSCOPES
- Freeze the motion and measure the speed of a rotating object, without contact
- Push button that doubles and one that divides in half
- the flashing and display rate with just one activation
- Coarse and fine adjustment buttons to synchronize flash to exactly the right rate
- Duty cycles from 10 minutes to 2 hours depending on rpm range
- Exclusive one-chip micro-computer LSI circuit and crystal control time-base
- External trigger input
- RS232 serial interface

SPECSIFICATIONS:
- Flash tube type: Xenon white lamp, 6500°K
- Flash duration: Approx. 60 to 1000 µs
- Measuring range: 10 to 10 500 rpm
- Resolution: 0.1 rpm; 5 to 999.9 rpm
- 1 rpm; 1000 to 9999 rpm; 10 rpm; = 10000 rpm

BIOS

MINITIMERS
- Easy to use
- Slim design
- Counts up or down to a maximum of 99 minutes, 59 seconds
- Magnetic back
- Pocket size
- Rubberized finish

BIOS

JUMBO DIGITAL TIMERS
- Jumbo LCD display
- Minutes and seconds
- Count down timer
- 30-second beeper alarm
- Magnetic back, built-in clip, retractable stand

BIOS

DISTANCE MEASURING WHEELS
- Ideal for road distance measuring applications
- Fitted with a 1 m circumference wheel
- Two measuring modes: Trip and Total
- Accuracy: ±1%
- Adds forward, subtracts in reverse
- Metric and imperial measurement
- Measure in meters, yards or feet
- Inches at the push of a button
- Large LCD display is crystal clear in direct sunlight
- Backlight for low light conditions
- Waterproof for all weather conditions
- Push button reset
- Electronic brake
- Telescopic handle
- Mud scraper
- Minimum 5-year battery life

BIOS

TRUMETER
VIBRATION & FORCE GAUGES

DIGITAL FORCE GAUGES

- Provides readings of tension (pull) or compression (pull) in kg, lb. oz. and Newton units
- Instantly recalls “Peak Load” (max. load) and average readings
- Microprocessor assures ±0.2% accuracy and fast 0.8 second update time
- 100% Zero/Tare control enables maximum pre-load to be stored in the memory
- Zero Adjust push-button and Peak Hold switch
- Selectable fast/slow response
- Large 5-digit LCD display is reversible to match viewing angle
- Holes on the back of the meter case facilitate test stand mounting
- Battery or AC-line operated (uses 6 × 1.5 V “AA” batteries)
- Auto Power Off minimises power consumption and saves battery life
- Includes separate load cell sensor with 2 hooks and cable and carrying case
- Model IA804: Includes flat head, cone head, chisel head and hook adapters, 320mm extension rod and carrying case, capacity: 100 kg, 220 lbs., 198 N
- Model IA805: Includes separate load cell sensor with 2 hooks and cable and carrying case, capacity: 100 kg, 220 lbs., 980 N

MEASURING COUNTERS

- Ideal for a wide range of applications on machines where an accurate record of lengths is required
- All units utilize the senior series M/K counters with reset, either totaling or predetermining models
- SR8 has a hinge arrangement, enabling the unit to be mounted in virtually any position
- SR8 comprises one stand, one stay rod 8" in length and one measuring wheel
- SR7 is supplied with 1 stand and 18" long stay rod and two measuring wheels
- Counter can be tilted over to be out of the way when not in use
- Standard measuring wheels are 6/8" wide rubber covered
- 12" circumference wheels are supplied for imperial measurement and 1/3 meter circumference wheels for metric measurement

WIRE MEASURERS

- Accommodates a wide variety of flexible materials, from 1/64" to 7/8" (.4 to 24 mm) diameter
- Measures wire rope and similar stiff materials to 1/2" (13 mm) diameter
- Quickly interchangeable guide tubes with I.D.s of 1/4" (6.3 mm) and 1" (25 mm) afford accurate guiding of many hard to measure materials
- Low friction, positive control guiding components assure straight-line contact with the measuring wheel so important to measure accuracy
- Stainless and heat-treated steel used for all shafts and surfaces subject to wear by material’s passage
- Convenient release handles for quick and easy loading
- Mechanical counters rated at 1000 ft/min. (300 m/min.) are housed in sturdy, dust-tight cases
- Counters add or subtract and reset to zero with one turn of the knob
- Model HD571: Reel forms a round coil which can be tied before collapsing. The coil off-loads to front.
- Model HA917: Mounts on all 1400 Series measurers at the correct height in relation to payout and takeup reels (14" high).

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
IA804 | 50-6020 | 20-lb Capacity | $779.00
IA805 | 50-6100 | 100-lb Capacity | $799.00
HX279 | 15-1001 | Test Stand | $1395.00

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
RA481 | 1410/B | Wire Measurer, Feet and Inches up to 9999'11" | $479.00
RA486 | 1420/B | Wire Measurer, Feet and Inches up to 9999' Im | $479.00
HD571 | 99 | Collapsible Reel and Stand | $517.00
HA917 | 201 | Stand | $59.00
HC242 | CUTTER-8 | Wire Cutter | $119.00

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
HX741 | | | 
HX739 | | | 
HX737 | | | 
HX735 | | | 
HX749 | | | 
HX747 | | | 
HX745 | | | 
HX743 | | | 
HX757 | | | 
HX755 | | | 
HX753 | | | 
HX751 | | | 
HX237 | 25-C5751/1 | - | 58.00
HX238 | 25-C7905/1 | - | 61.00

Model No. | Mfg. No. | Description | Price/Each
--- | --- | --- | ---
HA481 | | | 
HA486 | | | 
HD571 | | | 
HA917 | | | 
HC242 | | | 

SEESNAKE® MICRO™ INSPECTION CAMERAS

The CA-100 inspection camera allows you to perform more detailed visual inspections in even harder-to-reach areas. The micro™ CA-100 comes standard with a rugged 3/4” (17 mm) anodized aluminum camera head with four super bright LEDs. Easily rotate the active image counter-clockwise to see in any situation.

SPECIFICATIONS:
- Display: 3.5" colour LCD (320 x 240 resolution)
- Camera head: Aluminum 17 mm
- Lighting: 4 adjustable LEDs
- Cable reach: 3' (expandable to 10’ w/ optional extensions)
- Video output: 3’ RCA cable (included)
- Waterproof: (when properly assembled)
- Power source: 4 AA batteries
- Attachments: Mirror, hook and magnet

RECORDABLE BORESCOPE INSPECTION CAMERA

- Camera and video functions save high resolution images and video
- Comfortable pistol-grip design
- High-resolution, 2.5”, color, LCD monitor
- Waterproof (IP67) camera head
- 39° (±) gooseneck cable retains configured shape
- Expandable cable up to 30 ft. (9m) with extensions (optional)
- Four high-visibility LED lights
- 180° mirror rotation function
- Low battery indicator and auto shut off after 10 minutes
- Expandable memory up to 32GB (SD card sold separately)
- Includes: Video Borescope Inspection Camera, Recordable, 9mm Camera Head, Camera Probe, Borescope, Mirror, Hook and Mirror Attachments, Batteries, USB Cable, and Hard Carrying Case
- Display Size: 2.5”
- Resolution: 640 x 480 pixels
- Camera Head: 9 mm (0.35”)
- Frames Per Second (FPS): 30
- Playback: Photo (JPEG) and Video (AVI)
- Digital Zoom: 4x
- Time and Date Stamp: Yes
- Data Output: USB/SD Card
- Power Supply: 4 AA Batteries
- Operating Temperature: 14 to 122°F (-10 to 50°C)

MICRO™ CA-350 INSPECTION CAMERAS

Documentation made easy with the new Ridgid® micro™ CA-350 inspection camera. Easily record still images and videos of problems. Comfortable pistol-grip design, large screen, and rugged anodized aluminum camera head with four bright LEDs. Features image rotation and digital zoom.

SPECIFICATIONS:
- Display: 3.5” (90 mm) colour TFT
- Camera diameter: 0.66” (17 mm) LCD (320 x 240 resolution)
- Lighting: 4 adjustable LEDs
- Cable reach: 3’ (0.9 m) (Expandable to 30’ with optional extension also compatible with microDrain™, microReel™ and nanoReel™)
- Images: PIP - Good (640 x 480), Better (1024 x 768), Best (1600 x 1200)
- Video: AVI - Good (320 x 240), Best (640 x 480)
- External memory: SD card up to 32 GB (4 GB SD card included)
- Power source: Rechargeable 3.7 V Li-Ion battery
- Included: micro™ CA-350 with 17 mm imager, battery, charger, USB card, hook, magnet and mirror accessories, RCA cable, AC adapter, headset with microphone, 4 GB SD card, 1-year RidgidConnect™ basic subscription

R9000 PIPE VIDEO INSPECTION SYSTEM

- Cost effective portable inspection camera
- Designed to deliver quality video inspection in a wide range of applications including: sewers, building ducts/piping, wells, and power plants
- System includes camera head, cable reel, battery pack and DVR
- Camera head contains 12 white LED lights, a flexible spring coiled joint to navigate corners, a scratch-resistant sapphire lens cover and a stainless steel housing that allows the camera to withstand various hits
- High resolution CCD chip is designed to capture bright, crisp, colour video of the inspection area
- Cable reel is mounted and rotatable in the case, therefore the cable can be extended without the need to hold the reel
- Sun visor is included to act as a sun shield for outdoor inspections
- DVR Resolution: 800 x 480 RGB
- DVR Output: TV and Audio
- External Memory: Supports 32GB memory card up to 32GB
- Viewing Angle: 140°
- Display Size: 7”
- Camera Head: 0.9” (23 mm)

InstrumentID: 1545
AIR VELOCITY METERS

**ANEMOMETERS**
- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push-button operation
- Pocket-sized
- Includes battery
- Air Velocity Range: 80 to 5910 fpm; 0.4 to 30 m/s; 0.9 to 67 mph; 1.4 to 108 km/h; 0.8 to 58.3 knots

**THERMO-ANEMOMETERS**
- All-in-one meter with integral rotary vane sensor
- Simultaneous display of air velocity and temperature
- Selectable wind speed units: Knots, mph, km/h
- Calculate air volume by keying in area dimension
- Continuous moving air velocity averaging
- Displays Min/Max/Avg velocity with temperature values
- Multi-point averaging up to 8 points
- Calculate average velocity values in seconds
- High-contrast, 4-digit LCD readout
- RS-232 interface
- Data hold and auto power off
- Air Velocity Range: 80 to 5900 fpm; 0.4 to 30 m/s; 0.9 to 68 mph; 1.4 to 108 km/h; 0.8 to 58 knots
- Temperature Range: -10°C to 50°C; 14°F to 122°F

---

**Model No.** | **Mfg. No.** | **Description** | **Price/Each**
--- | --- | --- | ---
HX286 | LM-31 AM | Thermo-Anemometer | 99.00
IA400 | 9106 | Thermo-Anemometer | 249.00
HX285 | LM-4000 | Multi-Function Meter | 199.00
IA796 | SD-4207 | Anemometer | 395.00
IA116 | IA801 | Rotating Vane Thermo-Anemometer | 799.00
IA050 | 90750 | Volumetric Flow Hoods | 140.00
IA797 | SD-4214 | Thermo-Anemometer | 569.00
IB835 | SD-4GB | Memory Card - 4 GB | 29.00
ANEMOMETER/MANOMETERS

- Measures and display air velocity, air flow volume, pressure and ambient temperature with a single, compact unit
- Air velocity displayed in m/s, fpm, km/h, mph or knots
- Air flow displayed in cfm or cmm
- Pressure displayed in psi, mbar, inH₂O, mmH₂O or Pa
- Temperature displayed in °C or °F
- Max., Min. and Avg. readings
- Real time clock provides for time-stamped measurements
- Push button calculation of rectangular or circular duct areas
- Large LCD display with backlight
- Auto power off and low battery indication
- USB interface
- Includes black and white silica tubes, Pitot tube, power adapter, USB cable, 9V battery, CD software and carrying case

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Pressure Range:</th>
<th>±5000 Pa; 0.752 psi; 50.00 mbar;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution:</td>
<td>0.001 psi; 0.001 mbar; 0.1 fpm;</td>
</tr>
<tr>
<td>Accuracy:</td>
<td>0.001 inH₂O; 0.01 inH₂O; 0.01 mmH₂O;</td>
</tr>
<tr>
<td>Repeatability:</td>
<td>0.001 inH₂O; 0.1 inH₂O; 0.1 mbar;</td>
</tr>
<tr>
<td>Hysteresis:</td>
<td>0.1 inH₂O; 0.1 mbar; 0.1 mmH₂O;</td>
</tr>
<tr>
<td>Maximum Pressure:</td>
<td>20 psi</td>
</tr>
<tr>
<td>Response Time:</td>
<td>0.5 second</td>
</tr>
<tr>
<td>Power Supply:</td>
<td>Single 9V alkaline battery</td>
</tr>
</tbody>
</table>

KLETON

Canada’s Leading Material Handling Supplier

1547
MANOMETERS 

- Digital display of gauge or differential
- Select from one of 11 different pressure units
- Data hold
- Max/Min Record
- Display backlight
- Auto power off
- Low battery indicator
- Simple fittings for hose connection
- Optional RS-232 interface
- Includes hard carrying case, 9 V battery, connection hose and manual
- Pressure Range: IA138 0 to 30 PSI, IA139 0 to 100 PSI

Model No. Mfg. No. Description Price/Each
IA138 E1000 Digital Manometer 279.00
IA139 E1100 Digital Manometer 279.00

MANOMETERS

- Positive or negative pressure measurements
- Auto power off to conserve battery life
- Electronic zeroing function for offset measurements
- Large, easy-to-read display
- Extruded aluminum case
- Pressure Range: -20 to 20” wc (-50 to 50 mbar)

Model No. Mfg. No. Description Price/Each
IA135 475A-0 Digital Manometer 165.00

MANOMETERS

- Instant selection from up to nine English/metric units: PSI, in H2O, mm H2O, in Hg, mm Hg, Pa, kPa, bar, Mbar
- Stores 20 readings in memory for later reference
- Measure positive, negative or differential pressures
- Audible and visual overpressure alarms
- Large, easy-to-read 0.4” LCD readout includes switchable backlight
- Electronic zeroing lets you null out any minor differences
- Display hold key freezes current pressure reading reading
- Operates up to 100 hours on a single 9 Volt battery
- Auto shut-off to minimise battery drain
- FM approved as intrinsically safe for hazardous locations
- Class 1, Div. 1, Group A, B, C, D, T6.

Model No. Mfg. No. Description Range Price/Each
HMS43 477-1-FM 0-20 in. wc/0-510 Pa 478.00
HMS44 477-2-FM 0-40 in. wc/0-1016 Pa 390.00
HMS45 477-3-FM 0-200 in. wc/0-5016 Pa 390.00
HMS46 477-4-FM 0-30 PSI/0-2060 Pa 300.00
HMS47 477-5-FM 0-30 PSI/0-2060 Pa 300.00
IA136 477-6-FM 0-100 PSI/0-700 kPa 300.00
IA137 477-7-FM 0-150 PSI/0-1000 kPa 300.00
**MANOMETERS & PRESSURE GAUGES**

**MANOMETERS**
- Measures positive, negative or differential pressures of air and other gases
- New FM approved option is intrinsically safe for hazardous locations, Class I, Div. 1, Group A, B, C, D, T4
- When used with a pitot tube, can also be used as an air velocity gauge
- Dual push pads on the front panel control on-off operation and English or metric pressure unit selection
- Zero adjust knob is conveniently located on top
- Large 1/2" LCD display is easy to read in even the poorest lighting conditions, includes a "low battery" indicator
- Standard connections are dual sized for 1/8" or 3/16" I.D. vinyl or rubber tubing

**DUAL RANGE INCLINED U-TUBE MANOMETERS**
- As a regular U-tube manometer it indicates high range pressure from 0 to 16" of water with 2" minor divisions on the right leg; as an inclined manometer it reads low range pressure from 0 to 0 to 2.6 inches of water (with .02" minor divisions) on the left leg
- Easy to use; simply incline unit until fluid level reads zero
- Magnetic clips hold the gauge in position on steel duct surface
- Unit comes complete with: Two magnetic clips to hold the instrument to metal surfaces; two plastic carrying plugs with retainers for use when the manometer is not in service; flexible vinyl plastic tubing connectors; 4 1/2" length of plastic tubing; brass terminal tube; 1/4" dia. x 8" long; 1/8" NPT brass adapter; 3/4 oz. bottle red gauge fluid; and vinyl carrying case.

**INCLINED/VERTICAL MANOMETERS**
- Inclined section for high accuracy and vertical section for extended range
- Velocity marked in red; air pressure marked in black
- Screw leveling adjustment and ground glass bubble level

**KIT INCLUDES NO. 400 AIR METER & ALL ACCESSORIES:**
- Stainless steel calibrated pitot tube (18") - Graduated both sides in inches to show insertion depth for easy, accurate duct traverse
- Rubber tubing with connectors - 2 coils of 3/8" with metal terminal tubes
- Magnetic clip side mountings - Attachs meter instantly to steel duct or surface
- Air velocity calculator - Slide rule eliminates redidual
- Red gauge oil - Spare bottle for occasional refilling
- Instruction card for steel carrying case

**SLACK TUBE MANOMETERS**
- All models have flexible vinyl-plastic columns and flexible spring steel scale calibrated in inches of water using water; and inches of mercury using mercury
- Scale is centre-mounted between columns to eliminate parallax error and has a full 2-inch sliding zero adjustment
- All models feature exclusive moulded nylon tubing connector assemblies with rapid shutoff design and an acrylic plastic top
- Moulded all-nylon construction makes this assembly corrosion-proof, leakproof, and practically unbreakable
- Tubing connectors extend horizontally allowing 360° freedom
- All models have over pressure safety traps in the top of both columns to prevent loss of fluid due to over range pressures or surges in pressure

**AIR FILTER GAUGES**
- Compact inclined-vertical air filter gauge measures pressures both above and below atmospheric, as well as pressure differentials
- Logarithmic curve-shaped tube provides high range capacity with large, more easily read increments at low readings
- Operating range is 0 to 3 inches water, with divisions of 0.01 inch water at the low end scale, and 0.12 inch water at the high end
- Accurate to ± 3% of full scale
- Constructed of moulded acrylic plastic

**PITOT TUBES**
- Hemispherical tip design means low sensitivity to misalignment
- Precisely located, burr-free static pressure holes
- 304 stainless steel construction
- 1/4" models rated to 1500" H2O, 1/8" models to 800°F
- Use 1/8" models in ducts as small as 4" and 3/16" models in ducts 10" or larger
- Silver soldered connections for leak-proof operation
- Inch graduations on sides quickly determine exact insertion depth

**MODEL NO. DESCRIPTION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA314</td>
<td>1211-8</td>
<td>Slack Tube Manometer, 4-0-4 in</td>
<td>$118.00</td>
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<tr>
<td>HA303</td>
<td>1211-12</td>
<td>Slack Tube Manometer, 0-0-6 in</td>
<td>$131.00</td>
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<tr>
<td>HA305</td>
<td>1211-16</td>
<td>Slack Tube Manometer, 0-0-8 in</td>
<td>$132.00</td>
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<tr>
<td>HA307</td>
<td>1211-24</td>
<td>Slack Tube Manometer, 0-12 in</td>
<td>$130.00</td>
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<tr>
<td>HA308</td>
<td>1211-30</td>
<td>Slack Tube Manometer, 0-30 in</td>
<td>$144.00</td>
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<tr>
<td>HA309</td>
<td>1211-36</td>
<td>Slack Tube Manometer, 0-50 in</td>
<td>$135.00</td>
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<tr>
<td>HA310</td>
<td>1211-48</td>
<td>Slack Tube Manometer, 24-0-24 in</td>
<td>$172.00</td>
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<tr>
<td>HA312</td>
<td>1211-60</td>
<td>Slack Tube Manometer, 30-0-30 in</td>
<td>$182.00</td>
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<tr>
<td>HA313</td>
<td>1211-72</td>
<td>Slack Tube Manometer, 36-0-36 in</td>
<td>$182.00</td>
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<tr>
<td>HA304</td>
<td>1211-120</td>
<td>Slack Tube Manometer, 60-0-60 in</td>
<td>$195.00</td>
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<td>HA311</td>
<td>1211-25</td>
<td>Slack Tube Manometer, 25-0-25 cm</td>
<td>$145.00</td>
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<tr>
<td>HA302</td>
<td>1211-100</td>
<td>Slack Tube Manometer, 50-0-50 cm</td>
<td>$148.00</td>
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<td>HA306</td>
<td>1211-200</td>
<td>Slack Tube Manometer, 100-0-100 cm</td>
<td>$185.00</td>
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**MODEL NO. DESCRIPTION**

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<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
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<tbody>
<tr>
<td>HA329</td>
<td>25</td>
<td>Air Filter Gauge</td>
<td>$51.00</td>
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**MODEL NO. DESCRIPTION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>HB239</td>
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<td></td>
<td>$51.00</td>
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**MODEL NO. DESCRIPTION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
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</thead>
<tbody>
<tr>
<td>HA584</td>
<td>160-9</td>
<td>Standard 5/16&quot; Pitot Tube, 8&quot; Insertion Length</td>
<td>$126.00</td>
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<tr>
<td>HA522</td>
<td>160-12</td>
<td>Standard 5/16&quot; Pitot Tube, 12&quot; Insertion Length</td>
<td>$115.00</td>
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<tr>
<td>HA523</td>
<td>160-18</td>
<td>Standard 5/16&quot; Pitot Tube, 18&quot; Insertion Length</td>
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<td>HA527</td>
<td>160-24</td>
<td>Standard 5/16&quot; Pitot Tube, 24&quot; Insertion Length</td>
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<td>HA528</td>
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<td>Standard 5/16&quot; Pitot Tube, 30&quot; Insertion Length</td>
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<tr>
<td>HA529</td>
<td>160-48</td>
<td>Standard 5/16&quot; Pitot Tube, 48&quot; Insertion Length</td>
<td>$160.00</td>
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<tr>
<td>HA530</td>
<td>160-60</td>
<td>Standard 5/16&quot; Pitot Tube, 60&quot; Insertion Length</td>
<td>$214.00</td>
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<td>HA585</td>
<td>166-6</td>
<td>Pocket 1/8&quot; Diameter Pitot Tube, 6&quot; Insertion Length</td>
<td>$134.00</td>
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<tr>
<td>HA584</td>
<td>166-12</td>
<td>Pocket 1/8&quot; Diameter Pitot Tube, 12&quot; Insertion Length</td>
<td>$138.00</td>
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<tr>
<td>HA587</td>
<td>167-6</td>
<td>Pocket 1/8&quot; Diameter Short Tip Pitot Tube, 6&quot; Insertion Length</td>
<td>$134.00</td>
</tr>
<tr>
<td>HA586</td>
<td>167-12</td>
<td>Pocket 1/8&quot; Diameter Short Tip Pitot Tube, 12&quot; Insertion Length</td>
<td>$138.00</td>
</tr>
</tbody>
</table>

**PRODUCTS**

- INSTRUMENTS, SCALES & ELECTRICAL
- SHIPPING & PACKAGING
- TOOLS & EQUIPMENT
- WELDING & METALWORKING
- SAFETY EQUIPMENT & SUPPLIES
- JANITARY & MAINTENANCE
- MATERIAL HANDLING & STORAGE
**MANOMETERS & PRESSURE GAUGES**

**PROCESS GAUGES**
- Stamped aluminum 4 1/2" (115 mm) diameter dial
- Black, impact resistant phenolic case
- 3 3/4" stainless steel bourdon tube and socket
- Silicone fluid filled and rated for -50°F to 170°F
- 1/2% of full scale accuracy
- Transient over-pressure limit: 30%
- Restrictor screw
- Shatterproof glass lens
- Integral back flange
- Safety blowout backplate
- Micrometer adjustable pointer
- 1/4" or 1/2" NPT male connection bottom

**PRESSURE GAUGES**
- Stamped aluminum 2.5" diameter dial
- Polished stainless steel case
- Glass lens, pressed bezel
- Bronze tube and brass socket with brass movement
- 1/4" male NPT connection, bottom or back
- 1.6% accuracy
- Glycercine fill provides a dampening effect which minimizes pulsations; continuously lubricates gauge movement; and makes this gauge ideally suited for adverse environments

<table>
<thead>
<tr>
<th>BAKER INSTRUMENTS</th>
<th>MODEL</th>
<th>MANUFACTURING DATA</th>
<th>DIAL RANGES</th>
<th>PRICE/EA</th>
<th>IMAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IA329</strong></td>
<td>IA45-15-1/4</td>
<td>LF</td>
<td>30&quot;-0-15 PSI</td>
<td>169.00</td>
<td>IA329_AIA285.png</td>
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<tr>
<td><strong>IA335</strong></td>
<td>IA45-30-1/4</td>
<td>LF</td>
<td>30&quot;-0-30 PSI</td>
<td>169.00</td>
<td>IA335_AIA285.png</td>
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<tr>
<td><strong>IA336</strong></td>
<td>IA45-60-1/4</td>
<td>LF</td>
<td>30&quot;-0-60 PSI</td>
<td>169.00</td>
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<td><strong>IA337</strong></td>
<td>IA45-100-1/4</td>
<td>LF</td>
<td>30&quot;-0-100 PSI</td>
<td>169.00</td>
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<td><strong>IA338</strong></td>
<td>IA45-15P-1/4</td>
<td>LF</td>
<td>30&quot;-0-15 PSI</td>
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<td><strong>IA393</strong></td>
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<td>30&quot;-0-30 PSI</td>
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<td><strong>IA341</strong></td>
<td>IA45-100P-1/4</td>
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<td>30&quot;-0-100 PSI</td>
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<td><strong>IA342</strong></td>
<td>IA45-160P-1/4</td>
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<td>30&quot;-0-160 PSI</td>
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<td><strong>IA344</strong></td>
<td>IA45-300P-1/4</td>
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<td><strong>IA345</strong></td>
<td>IA45-400P-1/2</td>
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<td><strong>IA400</strong></td>
<td>IA45-600P-1/4</td>
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<td><strong>IA401</strong></td>
<td>IA45-1000P-1/4</td>
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<td>30&quot;-0-1000 PSI</td>
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<tr>
<td><strong>IA402</strong></td>
<td>IA45-2000P-1/2</td>
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<td>30&quot;-0-2000 PSI</td>
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<tr>
<td><strong>IA404</strong></td>
<td>IA45-3000P-1/4</td>
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<td>30&quot;-0-3000 PSI</td>
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<tr>
<td><strong>IA405</strong></td>
<td>IA45-5000P-1/4</td>
<td>LF</td>
<td>30&quot;-0-5000 PSI</td>
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<tr>
<td><strong>IA410</strong></td>
<td>IA45-10000P-1/4</td>
<td>LF</td>
<td>30&quot;-0-10000 PSI</td>
<td>169.00</td>
<td>IA410_AIA285.png</td>
</tr>
</tbody>
</table>

**PRESSURE GAUGES**
- 2.5" diameter dial has dual English/metric scales
- ASME Grade B accuracy: ± 3% first 3rd of scale, ± 2% middle 3rd of scale, and ± 3% last 3rd of scale
- Corrosion resistant stainless steel case and ring, acrylic lens
- Brass internal materials
- 1/4" NPT bottom connection only
- Rated for -20 to 60°C and pressure steady at 75%

<table>
<thead>
<tr>
<th>BAKER INSTRUMENTS</th>
<th>MODEL</th>
<th>MANUFACTURING DATA</th>
<th>DIAL RANGES</th>
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<th>IMAGES</th>
</tr>
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<tbody>
<tr>
<td><strong>IA280</strong></td>
<td>LCVA-10-100</td>
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<td>0-30&quot; Hg Vac.</td>
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<tr>
<td><strong>IA281</strong></td>
<td>LCVA-10</td>
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<td>0-30&quot; Hg Vac</td>
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<tr>
<td><strong>IA282</strong></td>
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<td>0 to 15 PSI</td>
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<td><strong>IA283</strong></td>
<td>LCVA-30</td>
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<td><strong>IA284</strong></td>
<td>LCVA-60</td>
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<td>0 to 60 PSI</td>
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<tr>
<td><strong>IA285</strong></td>
<td>LCVA-100</td>
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<td>0 to 100 PSI</td>
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<tr>
<td><strong>IA286</strong></td>
<td>LCVA-200</td>
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<td>0 to 200 PSI</td>
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<tr>
<td><strong>IA287</strong></td>
<td>LCVA-600</td>
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<td>0 to 600 PSI</td>
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<tr>
<td><strong>IA288</strong></td>
<td>LCVA-1000</td>
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<td>0 to 1000 PSI</td>
<td>10.00</td>
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<tr>
<td><strong>IA289</strong></td>
<td>LCVA-2000</td>
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<td>0 to 2000 PSI</td>
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<tr>
<td><strong>IA290</strong></td>
<td>LCVA-4000</td>
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<td>0 to 4000 PSI</td>
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<tr>
<td><strong>IA291</strong></td>
<td>LCVA-6000</td>
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<td>0 to 6000 PSI</td>
<td>10.00</td>
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</tbody>
</table>

**Baker Instruments**
- 1550 MATERIAL HANDLING & STORAGE
- JANITORIAL & MAINTENANCE
- SAFETY EQUIPMENT & SUPPLIES
- WELDING & METALWORKING
- TOOLS & EQUIPMENT
- SHIPPING & PACKAGING
- INSTRUMENTS, SCALES & ELECTRICAL
- OFFICE PRODUCTS
MANOMETERS & PRESSURE GAUGES

DIGITAL PRESSURE GAUGES

- Economical, digital pressure gauge for air and compatible gases
- Selectable engineering units
- 1% accuracy

SPECIFICATIONS:
- Service: Air and compatible gases
- Accuracy: ± 1.0% f.s. (includes linearity, hysteresis, repeatability)
- Temperature Limits: 30 to 120°F (-1 to 49°C)
- Thermal Effect: 0.05% f.s./°F
- Pressure Limits: 2X pressure range; vacuum range max. pressure is 30 PSIG
- Process Connection: 1/4” male NPT
- Housing Materials: ABS plastic
- Wetted Materials: 316 SS, silicone sensor
- Display: 4-digit LCD
- Power Supply: 9 V alkaline battery (included)
- Dimensions: 2.62” O.D. x 1.52” deep
- Weight: 5.6 oz (160 g)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA425</td>
<td>DPGA-00</td>
<td>Digital Pressure Gauge, 300 PSI</td>
<td>121.00</td>
</tr>
<tr>
<td>IA426</td>
<td>DPGA-06</td>
<td>Digital Pressure Gauge, 30 PSI</td>
<td>123.00</td>
</tr>
<tr>
<td>IA378</td>
<td>DPGA-08</td>
<td>Digital Pressure Gauge, 100 PSI</td>
<td>113.00</td>
</tr>
<tr>
<td>IA427</td>
<td>DPGA-10</td>
<td>Digital Pressure Gauge, 300 PSI</td>
<td>121.00</td>
</tr>
</tbody>
</table>

DIGITAL PRESSURE GAUGES

- Economical, digital pressure gauge for compatible liquids and gases
- Selectable engineering units
- 1% accuracy

SPECIFICATIONS:
- Service: Compatible liquids and gases
- Accuracy: ± 1.0% f.s. (includes linearity, hysteresis, repeatability)
- Temperature Limits: 30 to 120°F (-1 to 49°C)
- Thermal Effect: 0.05% f.s./°F
- Pressure Limits: 2X pressure range; vacuum range max. pressure is 30 PSI
- Process Connection: 1/4” male NPT
- Housing Materials: ABS plastic
- Wetted Materials: 316 SS
- Display: 4-digit LCD
- Power Supply: 9 V alkaline battery (included)
- Dimensions: 2.62” O.D. x 1.52” deep
- Weight: 5.6 oz (160 g)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA430</td>
<td>DPGW-08</td>
<td>Digital Pressure Gauge, 100 PSI</td>
<td>171.00</td>
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<tr>
<td>IA428</td>
<td>DPGW-09</td>
<td>Digital Pressure Gauge, 200 PSI</td>
<td>171.00</td>
</tr>
<tr>
<td>IA429</td>
<td>DPGW-11</td>
<td>Digital Pressure Gauge, 500 PSI</td>
<td>171.00</td>
</tr>
</tbody>
</table>

ZENITH Safety Products for Industry
AIR/LIQUID FLOW METERS & SWITCHES

IN-LINE FLOW METERS

• Polysulfone meter body and adapters, stainless steel float guide, Viton O-ring seals, and floats of #316 stainless steel, PVC or Teflon/Noryl (depending on calibration)
• Both flowmeters may be ordered with brass, stainless, or brass threaded adapters
• Both units are also available, specially equipped with Hastelloy C float guides and floats of either Hastelloy C, Teflon or PTFE (depending on calibration)

BLUE-WHITE® INDUSTRIES

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HN181</td>
<td></td>
<td>F-44250LH-6</td>
<td>1/2&quot; NPT</td>
<td>0.025-0.250</td>
<td>0.1-0</td>
<td>PVC</td>
<td>117.00</td>
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<tr>
<td>HN182</td>
<td></td>
<td>F-44375LH-8</td>
<td>1/2&quot; NPT</td>
<td>0.1-1.0</td>
<td>0.4-4.0</td>
<td>316SS</td>
<td>117.00</td>
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<tr>
<td>HN183</td>
<td></td>
<td>F-44376LH-6</td>
<td>1/2&quot; NPT</td>
<td>0.2-2.0</td>
<td>0.75-7.5</td>
<td>316SS</td>
<td>117.00</td>
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<tr>
<td>HN184</td>
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<td>F-44376LH-6</td>
<td>1/2&quot; NPT</td>
<td>0.5-5.0</td>
<td>1.8-18</td>
<td>316SS</td>
<td>117.00</td>
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<tr>
<td>HN185</td>
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<td>F-44575LH-12</td>
<td>3/4&quot; NPT</td>
<td>1.0-10</td>
<td>5.0-37.5</td>
<td>316SS</td>
<td>135.00</td>
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<tr>
<td>HN186</td>
<td></td>
<td>F-44755LH-3</td>
<td>3/8&quot; NPT</td>
<td>0.1-1.0</td>
<td>0.4-4.0</td>
<td>Noryl/Teflon</td>
<td>123.00</td>
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<tr>
<td>HN187</td>
<td></td>
<td>F-44755LH-12</td>
<td>1/2&quot; NPT</td>
<td>0.2-2.0</td>
<td>0.75-7.5</td>
<td>316SS</td>
<td>123.00</td>
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<tr>
<td>HN188</td>
<td></td>
<td>F-44755LH-6</td>
<td>3/8&quot; NPT</td>
<td>0.2-2.0</td>
<td>0.75-7.5</td>
<td>316SS</td>
<td>123.00</td>
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<tr>
<td>HN189</td>
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<td>F-44755LH-8</td>
<td>1/2&quot; NPT</td>
<td>0.2-2.0</td>
<td>0.75-7.5</td>
<td>316SS</td>
<td>123.00</td>
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<tr>
<td>HN190</td>
<td></td>
<td>F-44550LH-6</td>
<td>3/8&quot; NPT</td>
<td>0.5-5.0</td>
<td>1.8-18</td>
<td>316SS</td>
<td>123.00</td>
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<tr>
<td>HN191</td>
<td></td>
<td>F-45550LH-12</td>
<td>3/4&quot; NPT</td>
<td>1.0-10</td>
<td>4.0-40</td>
<td>316SS</td>
<td>142.00</td>
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</tbody>
</table>

Features a unique variable-area metering design, with a spring-retained moveable piston

Can be installed quickly in any position form vertical to horizontal, without costly flow straighteners or other special plumbing requirements

Constructed of polysulfone and stainless steel for greater tolerance to pressure and temperature as well as chemical compatibility

Calibrated in gpm and lpm

1" NPT threaded port

316L 7-1/2" L 2-1/2" W 2" H

304L 7-1/2" L 2-1/2" W 2" H

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## Cable Float Switches

- Control the level of liquids in filling or draining reservoirs and tanks
- Mercury-free switch is designed with an inverter microswitch housed in a polypropylene cover
- Unit includes a counterweight to adjust the stop and start levels of pump up/pump down application
- SPDT switch, 10 A at 250 VAC resistive
- NEMA (IP68) enclosure rating
- Mounts vertically

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM479</td>
<td>A101GM02SN1A</td>
<td>Nylon Float Switch, 0.3 to 3 gpm</td>
<td>700.00</td>
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<tr>
<td>HM480</td>
<td>A101GM100SN1A</td>
<td>Nylon Float Switch, 3 to 30 gpm</td>
<td>708.00</td>
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<tr>
<td>HM476</td>
<td>A101GM025SN1A</td>
<td>Aluminum Float Switch, 0.3 to 3 gpm</td>
<td>665.00</td>
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</tbody>
</table>

## Flow Totalisers

- All meters are self-contained and carry the FM Approval Class I, Division 1 for all group environments
- Aluminum housings are rated to 300 PSIG and are well suited for most petroleum products
- Nylon housings are rated to 150 PSIG and are used with non-aggressive chemicals and water
- All factory calibration is accurate to ± 1.5% for non-viscous fluids
- 0.3 to 3 gpm and 3 to 50 gpm ranges use 1” NPTF
- 30 to 300 gpm range uses 2” NPTF

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Description</th>
<th>Price/Each</th>
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</thead>
<tbody>
<tr>
<td>OC353</td>
<td>1132SS-4</td>
<td>Water Meter, gallons, NPT</td>
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<tr>
<td>OC354</td>
<td>1132SS-5</td>
<td>Water Meter, liters, NPT</td>
<td>267.00</td>
</tr>
<tr>
<td>OC355</td>
<td>1132SS-6</td>
<td>Water Meter, liters, ISO</td>
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<tr>
<td>OC356</td>
<td>1132SS-1</td>
<td>Fuel Meter, gallons, NPT</td>
<td>194.00</td>
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<td>OC357</td>
<td>1132SS-2</td>
<td>Fuel Meter, liters, NPT</td>
<td>194.00</td>
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<tr>
<td>OC358</td>
<td>1132SS-3</td>
<td>Fuel Meter, liters, ISO</td>
<td>213.00</td>
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</table>

## Level Switches

- Hermetically sealed reed switch contacts are actuated by magnets bonded inside the float
- Change from normally open (N.O.) to normally closed (N.C.) contacts in 10 seconds or less by reversing the orientation of the float on the stem
- Switch contact ratings are suitable for direct connection to most solid state control systems and alarm/monitoring devices
- Simple relay interfaces can be employed for higher current control applications
- Switch mounts easily at the top, bottom or intermediate levels in tanks and vessels
- Mounts directly in a 1/8” NPT fitting for interior mounting
- Where exterior mounting or access is required, special adapters are available as option
- To mount at intermediate levels, combine fittings shown with any length of pipe
- Vertical mounting is recommended (not to exceed 30° from vertical)
- Electrical Ratings: Model HF660 and HF661: AC - 25 VA, 1.0 A, 200 V; DC - 10W, 1.0 A, 200 V; Model HF659 and HF658: AC - 30W, 0.14 A, 220 V; DC - 0.28 A, 24 V, 0.07 A, 120 V

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<thead>
<tr>
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<tbody>
<tr>
<td>HF660</td>
<td>F-5B</td>
<td>Butyl rubber and epoxy</td>
<td>316SS</td>
<td>220°F (105°C)</td>
<td>750 PSIG (10 bar)</td>
<td>0.60</td>
<td>1/8” (2 mm)</td>
<td>73.00</td>
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<tr>
<td>HF659</td>
<td>F-2P</td>
<td>Polypropylene and epoxy</td>
<td>316SS</td>
<td>300°F (149°C)</td>
<td>400 PSIG (3 bar)</td>
<td>0.75</td>
<td>1/8” (2 mm)</td>
<td>76.00</td>
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<td>F-5SS</td>
<td>Butyl rubber and epoxy</td>
<td>355SS</td>
<td>300°F (149°C)</td>
<td>750 PSIG (10 bar)</td>
<td>0.60</td>
<td>1/8” (2 mm)</td>
<td>73.00</td>
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<tr>
<td>HF658</td>
<td>F-7-BT</td>
<td>Butyl rubber and epoxy</td>
<td>Polypropylene</td>
<td>220°F (105°C)</td>
<td>100 PSIG (6.9 bar)</td>
<td>0.60</td>
<td>1/8” (4 mm)</td>
<td>29.00</td>
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</tbody>
</table>
**REFRACTOMETERS**

**REFRACTOMETERS**

**BRIX REFRACTOMETERS**
The Brix refractometer shows the concentration percentage of the soluble solids content (Total solids) of a sample (water solution). The soluble solids content is the total of all the solids dissolved in the water - beginning with sugar, salts, protein, acids, etc. and the measurement reading value is the value of the sum total of these. Essentially Brix% is calibrated to the number of grams of cane sugar contained in 100 g of cane sugar solution. So, when measuring a sugar solution, the Brix% should perfectly match the actual concentration.

**SALINITY REFRACTOMETERS**
Salinity refractometers are useful for measuring the concentration of natural or artificial seawater in aquariums, holding tanks, and breeding ponds. They can also be used for controlling the salt water concentration when preparing pickles, measuring the concentration of salt water used in rinsing and cooking sea products.

**BATTERY COOLANT CHECKERS**
It is essential to know the concentration and freezing point of anti-freeze coolants for vehicular safety. Keeping a suitable concentration of coolant prevents engine trouble and possible radiator corrosion. This tester monitors the freezing point of both ethylene glycol and propylene glycol; in addition, it indicates battery recharge level. This tester is simple to use; requiring only a few drops to provide accurate readings within seconds. It is virtually indispensable for gas stations, service shops, cab companies, etc.

**PH METER**
- Dual displays of temperature and pH
- °F or °C temperature measurement
- Automatic temperature compensation assures that readings are corrected for temperature offsets
- One touch calibration for up to 3 points
- Calibration values are adjustable
- Includes batteries
- pH Range: 0.00 to 14.00 pH
- Temperature Range: 0 to 60.0°C
- Accredited calibration available

**PH/ORP METERS**
- Measures pH and ORP levels in water
- Manual or automatic temperature compensation
- Auto calibration for pH 4.0, pH 7.0 and pH 10.0
- Data hold and max./min. record
- Real time data logger with integral 4 GB SD memory card (optional)
- RS232 and USB interface
- pH Range: 0 to 14.00 pH
- ORP Range: -1999 to 1999 mV

**CONDUCTIVITY METERS**
- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Carbon rod electrode
- Auto temperature compensation
- Temperature coefficient of measurement solution is user selectable
- Data hold and Max/Min record
- Real time data logger with integral 4 GB SD memory card (optional)
- RS232 and USB interface
- Conductivity Range: 200 μS, 2 mS, 20 mS, 200 mS
- Soft Range: 0 to 12% salt (% weight)
WEIGHING SCALES

- Ideal for high humidity and dusty work environment
- Large stainless steel platform is removable for easy cleaning
- Convenient displays on front and rear of the scale allow use from both sides of the worktable
- Meets IP66 (dust tight and protected against a strong water jet) standards

FEATURES:
- Large LCD type display with backlight
- ABS enclosure
- Water and dust resistant
- Secondary counting function
- Four direct keys: Zero, tare, units, counting, on/off
- Four weight modes: g, kg, oz., lb.
- Operates on A/C power or rechargeable battery (both included)
- Dimensions: 9" W x 9.5" D x 5.75" H

DIGITAL COUNTING SCALES

- Used for counting and quantity checking
- Primary counting function
- High accuracy load cell
- Large LCD display
- Rechargeable battery
- Full digital calibration
- Tare function
- Auto zero tracking
- Quantity set alarm (checking)
- Back light display
- Accumulation memory quantity
- 1-year warranty

ELECTRONIC DIGITAL WEIGHING SCALES

- Compact design 12 1/2" D x 11 3/4" W x 45/8" H (32 cm x 30 cm x 12 cm)
- Check-weighing function (Hi/LO/Target) and a secondary counting function
- Four weighing modes (g, kg, lbs., oz.)
- Removable stainless steel platform 11 3/4" D x 8 3/4" W (30 cm x 22 cm)
- ABS enclosure
- Large LCD display with both front and rear indicators and level indicator for weighing accuracy
- Rechargeable battery with low battery indicator and AC adapter (included)

PORTION CONTROL SCALE

- Auto off (after 120 seconds of inactivity)
- Full tare capacity
- Bright-blue backlit LCD display
- Low battery and overload indications
- Stainless steel platform
- Transparent cover protects the scale when not in use
- 7 Weighing modes: kg, lbs., g, oz., lb-oz, lb-1/4oz, 1/4oz
- Power supply: 4 x AA rechargeable batteries and power adapter included
- Capacity: 33 lbs./15 kg
- Graduations: 0.2 g
- Platform Dimensions: 7" L x 7" W

BIOS Professional

NOT LEGAL FOR TRADE

Model No. Mfg. No. Capacity Price EACH
IA998 KWS-SW06 3/3000/6/96 0.001/1/0.002/0.05 389.00
IA899 KWS-SW12 6/6000/12/192 0.002/2/0.005/0.1 389.00
IA990 KWS-SW30 15/15000/10/480 0.005/5/0.01/0.2 389.00
IA991 KWS-SW60 30/30000/60/960 0.01/10/0.02/0.5 389.00

LEGAL FOR TRADE

Model No. Mfg. No. Capacity Price EACH
IA992 KWS-SW06 3/3000/6/96 0.001/1/0.002/0.05 492.00
IA993 KWS-SW12 6/6000/12/192 0.002/2/0.005/0.1 492.00
IA994 KWS-SW30 15/15000/10/480 0.005/5/0.01/0.2 492.00
IA995 KWS-SW60 30/30000/60/960 0.01/10/0.02/0.5 492.00

NOT LEGAL FOR TRADE

Model No. Mfg. No. Capacity Price EACH
IA998 RC1P1502 1.5/15000/3/48 0.0005/0.05/0.01 888.00
IA999 RC1P39 3/3000/6/96 0.001/1/0.002/0.05 888.00
IB001 RC1P36 6/6000/15/480 0.0002/0.02/0.05/0.1 888.00
IB002 RC1P315 15/15000/30/480 0.0005/0.5/0.01/0.2 888.00
IB003 RC1P310 30/30000/60/960 0.01/1/0.02/0.05 888.00

RANGER® COUNT 3000 COMPACT BENCH COUNTING SCALES

A high-precision dedicated counting scale with advanced software for counting and packaging parts.

- Weighing Functions: lbs, oz, lbs./oz, kg or g
- Application Modes: Weighing, Parts Counting, Checkweighing, Checkcounting, Accumulation
- Display: 3-Window, 1 in. 26 mm high LCD display with white backlight, 6-digit, 7-segment
- Checkweighing Indicators: 3 LED (yellow, green, red) with configurable operation and alert beeper
- Memory: 30 item library data storage function
- Zero Range: 2% or 10% of full scale capacity
- Tare Range: Full capacity by subtraction
- Stabilization: one second results, with 1 part in 1.5 million precision
- Power: 100-240 VAC/50-60 Hz internal universal power supply, internal rechargeable lead acid battery
- Interface Built-in RS232, optional
- 2nd platform, 2nd RS232, USB, Ethernet
- Platform Size: 11.8" W x 8.9" D

BIOS Professional

NOT LEGAL FOR TRADE

Model No. Mfg. No. Capacity Price EACH
IA998 RC1P1502 1.5/15000/3/48 0.0005/0.05/0.01 888.00
IA999 RC1P39 3/3000/6/96 0.001/1/0.002/0.05 888.00
IB001 RC1P36 6/6000/15/480 0.0002/0.02/0.05/0.1 888.00
IB002 RC1P315 15/15000/30/480 0.0005/0.5/0.01/0.2 888.00
IB003 RC1P310 30/30000/60/960 0.01/1/0.02/0.05 888.00
## SCALES

### PORTABLE ELECTRONIC BALANCES
- Scout SPX is a portable balance designed to meet the most common weighing equipments
- Features a large LCD display
- Removable stainless steel pan
- Weight display in g, kg, oz., lbs., lb:oz., and Troy ounce or pennyweight units for weighing precious materials
- Powered by four AA batteries (not included) or included AC adapter pack
- Dimensions: 6.0” W x 6.3” D x 2.2” H
- Weight: 1.8 lbs.
- 2-year warranty on parts and labour

### MULTIPLE WEIGHING MODES:
- Parts counting
- % weighing
- Display hold for shipping applications
- Span calibration mass included

### MULTIPLE WEIGHING MODES:
- 1-gram increments
- 1 oz. increments
- 1 g/0.1 oz.
- 1 oz./2.0 g
- 0.5 oz./1.0 g
- 0.05 oz./0.5 g
- Graduations: 1 g/0.1 oz.

### PORTION CONTROL SCALES
- Large LCD display - 5/8” high
- Removable stainless steel platform
- Tare weighing function
- 800-hours of battery life
- 2-mode function metric and imperial
- AC adaptor (included) or four AA batteries (not included)

### LOW PROFILE BENCH SCALES
The ES Series design makes this low profile scale perfect for shipping, receiving and general bench applications. Easy 2-button operation and large display guarantees accurate and unmistakable results. The 3-way mounting bracket (included) allows you to mount the indicator to front of scale base, above the base, or to any vertical surface.
- Display weight in kg, g, or combined lb:oz.
- Stainless steel weighing platform and epoxy painted steel frame
- AC or battery powered operation
- Includes: 3-way mounting bracket and AC adapter
- 1-year warranty on parts and labour

### COMPACT ELECTRONIC SCALES
- Displays results in g or combined lb:oz.
- One-button operation
- Full capacity tare
- LCD display
- Operates on three AAA batteries (included) or with an optional AC adapter
- Dimensions: 5.3” W x 7.6” D x 1.5” H
- 1-year warranty on parts and labour
- Weight: 1 lb.

### NOT LEGAL FOR TRADE
- Stainless steel easy wipe top
- Quick response
- Overload indicator
- 0.1 oz. increments
- Tare
- Auto power off
- Certification: CE and NSF approved
- Powered by 2 x AAA batteries
- Display: LCD 2.13” x 0.83”
- Accuracy: +/- 0.5%
- Capacity: 5000 g/9 lbs.
- Graduations: 1 g/0.1 oz.
- Platform dimensions: 8 1/4” x 5 7/8” W

### PRODUCT

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>HX216*</td>
<td>420322</td>
<td>220 g</td>
<td>0.01 g</td>
<td>4.7 diameter</td>
<td>288.00</td>
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<td>IA550*</td>
<td>420362</td>
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<td>HX218*</td>
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<td>HM315*</td>
<td>420621</td>
<td>620 g</td>
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<td>420622</td>
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<td>IAM53</td>
<td>420623</td>
<td>620 g</td>
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<td>5.5 x 6.7</td>
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<td>IA554</td>
<td>420624</td>
<td>620 g</td>
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<td>5.5 x 6.7</td>
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* Span calibration mass included

### HANDLING & SUPPLIES

<table>
<thead>
<tr>
<th>Mfg. No.</th>
<th>Price/Each</th>
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<tr>
<td>6005C</td>
<td>$56.40</td>
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### ELECTRICAL & ELECTRICAL

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>IB734</td>
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<td>$65.40</td>
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### BIOMETRICS

<table>
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<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>CS200</td>
<td>1 lb</td>
<td>0.0 oz</td>
<td>164.00</td>
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<tr>
<td>CS200</td>
<td>1 lb</td>
<td>0.1 oz</td>
<td>164.00</td>
</tr>
<tr>
<td>CS200</td>
<td>1 lb</td>
<td>0.2 oz</td>
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### MATERIAL HANDLING & STORAGE

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>IB538</td>
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<td>92.10</td>
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### OFFICE PRODUCTS

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
ECONOMY PRECISION SCALES
• Maximum efficiency at minimal cost
• Top loading scales have a removable stainless steel platform making them easy to keep clean
• Speed and precision at a low price
• Ideal for small lab and educational environments

FEATURES:
• External calibration, brushed stainless steel platter and adapter
• Weights in g, oz., lbs., dwt, oz. t., cnt
• Counting features
• Operating temperature: 10°C to 35°C
• Dimensions: 7” W x 9 3/4”D x 2 1/2” H
• 1-year warranty

NOT LEGAL FOR TRADE

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<thead>
<tr>
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<tbody>
<tr>
<td>PE130</td>
<td>KLI-200</td>
<td>200 g</td>
<td>0.1 g</td>
<td>4.6” diameter</td>
<td>217.00</td>
</tr>
<tr>
<td>PE131</td>
<td>KLI-2000</td>
<td>2000 g</td>
<td>1 g</td>
<td>5” x 6 1/2”</td>
<td>215.00</td>
</tr>
</tbody>
</table>

PRECISION SCALES
• Fast microprocessing speed and digital filtration
• are the key to peak performance and stability
• Single direction RS-232 allows you to connect to peripheral devices
• Leveling bubble is included and all four feet are adjustable
• Features external calibration
• Brushed stainless steel platter and adapter
• Weights in g, oz., lbs., dwt, oz. t., cnt and KHA 0.01 g also weights in CT
• Counting features
• Operating temperature: 10°C to 35°C
• 1-year warranty

NOT LEGAL FOR TRADE

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<thead>
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<tbody>
<tr>
<td>IA780</td>
<td>KHA-230R</td>
<td>200 g</td>
<td>0.001 g</td>
<td>4.75” x 4.75”</td>
<td>818.00</td>
</tr>
<tr>
<td>PE136</td>
<td>KHA-1000R</td>
<td>1000 g</td>
<td>0.01 g</td>
<td>4.75” x 4.75”</td>
<td>578.00</td>
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<tr>
<td>PE137</td>
<td>KHA-1201R</td>
<td>1200 g</td>
<td>0.1 g</td>
<td>6.94” x 6.94”</td>
<td>393.00</td>
</tr>
<tr>
<td>IA701</td>
<td>KHA-5001R</td>
<td>5000 g</td>
<td>0.1 g</td>
<td>6.94” x 6.94”</td>
<td>448.00</td>
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</table>

PESOLA® MICRO SPRING SCALES
• Rotatable bow allows for ideal position of scale reading
• Screw for rear and for adjusting the zero position (range of tare = 20%)
• Innovative adjustment and suspension of spring
• Precise graduation, high resolution, abrasion-resistant and anodized colour
• Eye-clip with lower suspension rotates by 360°
• Eye-clip allows easy interchange of lower suspension with other accessories
• Vertical measuring position

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<tbody>
<tr>
<td>PE130</td>
<td>KLI-200</td>
<td>200 g</td>
<td>0.1 g</td>
<td>77.00</td>
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<tr>
<td>PE131</td>
<td>KLI-2000</td>
<td>2000 g</td>
<td>1 g</td>
<td>70.00</td>
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PESOLA® MEDIO SPRING SCALES
• Rotatable bow allows for ideal position of scale reading
• Screw for rear and for adjusting the zero position (range of tare = 20%)
• Innovative adjustment and suspension of spring
• Precise graduation, high resolution, abrasion-resistant and anodized colour
• Integrated recoil absorption (important for tensile tests with drag pointer 4.012 (IB721))
• Clear marker reading line on level of graduation
• Eye-clip allows easy interchange of lower suspension with other accessories

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>IB690</td>
<td>40100</td>
<td>300 g</td>
<td>2 g</td>
<td>83.00</td>
</tr>
<tr>
<td>IB699</td>
<td>40600</td>
<td>600 g</td>
<td>5 g</td>
<td>83.00</td>
</tr>
<tr>
<td>IB700</td>
<td>41000</td>
<td>1000 g</td>
<td>10 g</td>
<td>86.00</td>
</tr>
<tr>
<td>IB701</td>
<td>41002</td>
<td>1000 g</td>
<td>10 g</td>
<td>86.00</td>
</tr>
<tr>
<td>IB702*</td>
<td>42500/A</td>
<td>2500 g</td>
<td>20 g</td>
<td>101.00</td>
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<tr>
<td>IB703*</td>
<td>43000</td>
<td>3000 g</td>
<td>30 g</td>
<td>101.00</td>
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</tbody>
</table>

* Supplied with J hook

PESOLA® MACRO SPRING SCALES
• Rotatable bow allows for ideal position of scale reading
• Screw for rear and for adjusting the zero position (range of tare = 20%)
• Innovative adjustment and suspension of spring
• Precise graduation, high resolution, abrasion-resistant and anodized colour
• Integrated recoil absorption for tensile tests with drag pointer supplied
• Clear marker reading line on level of graduation
• Swivel hook, rotatable and replaceable by different accessories

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>IB705</td>
<td>80005</td>
<td>5 kg</td>
<td>50 g</td>
<td>170.00</td>
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<tr>
<td>IB707</td>
<td>80015</td>
<td>10 lbs/5 kg</td>
<td>50 g/2 oz.</td>
<td>174.00</td>
</tr>
<tr>
<td>IB706</td>
<td>80100</td>
<td>10 kg</td>
<td>100 g</td>
<td>173.00</td>
</tr>
<tr>
<td>IB712</td>
<td>80210</td>
<td>20 lbs/70 kg</td>
<td>100 g/4 oz.</td>
<td>177.00</td>
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<tr>
<td>IB708</td>
<td>80020</td>
<td>20 kg</td>
<td>200 g</td>
<td>176.00</td>
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<tr>
<td>IB713</td>
<td>80040</td>
<td>40 lbs/20 kg</td>
<td>200 g/8 oz.</td>
<td>180.00</td>
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<tr>
<td>IB709</td>
<td>80035</td>
<td>35 kg</td>
<td>500 g</td>
<td>182.00</td>
</tr>
<tr>
<td>IB710</td>
<td>80050</td>
<td>50 kg</td>
<td>500 g</td>
<td>212.00</td>
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<tr>
<td>IB711</td>
<td>80150</td>
<td>100 lbs/50 kg</td>
<td>500 g/10 lbs.</td>
<td>215.00</td>
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</table>

Suppliers: KILOTECH, IBI Instruments, B+H, and more.
SCALES

TOP LOADING SCALES
- Brushed stainless steel body and stainless platform
- Portable and rugged
- Large numbers for easy readability
- Rotating dial
- Tare function

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<thead>
<tr>
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<tbody>
<tr>
<td>IB776</td>
<td>620SC</td>
<td>2.2 lbs./1 kg</td>
<td>5 g/0.25 oz</td>
<td>6 x 6</td>
<td>55.40</td>
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<tr>
<td>IB777</td>
<td>621SC</td>
<td>5 lbs./2.2 kg</td>
<td>5 g/0.5 oz</td>
<td>6 x 6</td>
<td>65.40</td>
</tr>
<tr>
<td>IB778</td>
<td>622SC</td>
<td>25 lbs./12 kg</td>
<td>50 g/0.325 lbs</td>
<td>8 x 8</td>
<td>75.50</td>
</tr>
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</table>

TOP LOADING SCALES
- Large stainless steel and enamel platforms to accommodate a variety of package sizes
- Bold graphics improves reading accuracy and ease
- Portable, rugged and reliable

**BRIEFCASE/UTILITY MECHANICAL RECEIVING SCALES**
This general purpose, portable weighing scale can be used in shipping and receiving areas. The large dual dial is easy to read from either the top or side position. The memory lock lever will hold the reading when dial is obscured by an oversized package.

**RECEIVING SCALES**
These scales are heavy-duty, general purpose and are suitable for light industrial or shipping applications.

**FEATURES:**
- Kg/lbs. modes
- Programmable Auto-Off function
- Removable stainless steel platform (HX632, HX633, IA558, IA782, and IA783)
- Fixed mild steel checkered platform (IA564 and IA453)
- 4 1/4 x 3 1/2" LCD display (HX632, HX633 and IA558)
- 3" x 1 1/4" LCD display (IA564 and IA453)
- Platform size: 11.75" x 12.25" (HX632, HX633, IA558, IA564 and IA453)
- 14" x 16" (IA782 and IA783)
- Zero, tare and kg/lbs. (toggle) keys
- Heavy-duty R coated cord
- Power supply: Six AA alkaline batteries (not included) or 120 V AC adapter (included)
- 1-year warranty

**INTEGRATOR CI5 PRICE COMPUTING SCALE**
- Price computing simplified - Easy to use, easy to learn, and easy to program
- Visible in all lighting conditions
- Portable - No need to plug in the scale, 12 hour rechargeable battery included
- Multi-interval device - Two scales in one - Finer precision or larger capacity as per your requirements
- 265 PLU - memorizes item name, item code, life, ingredients, Tare & unit price
- Large stainless steel platform
- Dual reading displays (front and rear)
- Printer available as an option
- Platform Dimensions: 8 5/8" x 10 1/2" x 3 1/2" W

**ARGOX THERMAL LABEL PRINTER**
- Thermal barcode printer
- Built in tear off bar
- Label separator
- Works with labels (IB783): 58 x 40 mm, (IB784): 58 x 60 mm

**KILOTECH LABELS**

**KILOTECH**
www.kilotech.com
**DEFENDER™ 3000 PLATFORM SCALES**

- Ideal for general weighing and simple counting applications in production, packaging, warehouse, inventory, shipping and receiving areas
- Ideal for bench and floor scale applications
- Indicator features a high-impact durable ABS housing with reversible rear cover for either wall, column or table-top mounting
- Large, backlit LCD display quickly displays results in a choice of multiple weighing units (lb., oz., combined lb.oz, kg or g)
- Parts counting mode with a minimum average piece weight of 1d, selectable sample sizes, and automatic retention of last sample size used and average piece weight data
- Built-in bidirectional RS232C for printing or connection to PC
- Includes an AC adapter and an internal rechargeable lead acid battery that lasts 300-hours between recharges
- Platform dimensions: 19.7” x 25.6”/500 mm x 650 mm

**CYCLONE BENCH AND PLATFORM SCALE**

- Durable thick stainless steel platter allows for heavy loads without bending
- 2 scales in one - Dual range- always the right sensitivity no matter how light or heavy the load
- Back support - Ideal for weighing products in bags or that which require extra support.
- Post mounted indicator - Makes it easy to see the screen
- Three weighing modes: lb., kg, pcs
- Ideal for shipping, receiving, check weighing or counting
- Battery or adapter operated

**DEFFENDERTM 7000 SQUARE BENCH SCALES**

- ABS plastic indicator with square painted steel base
- Advanced parts counting, dynamic animal weighing, percent weighing, display hold for large containers, check weighing, accumulation, lb., oz., lb.oz, g, kg, user-defined custom unit
- Full alphanumeric keypad, dual-line backlit LCD display and check weighing LEDs
- Includes second scale analog input for dual base operation
- Pressed square steel welded base design for rugged durability with painted column
- Includes RS232 interface with GMP/GLP data output including date and time, and external analog base input
- Internal power supply with universal line cord or six C batteries (80-hour battery life)

### SCALES

<table>
<thead>
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<tbody>
<tr>
<td>IA555</td>
<td>D3P150BX</td>
<td>100 lbs/50 kg</td>
<td>0.05 lbs/0.02 kg</td>
<td>12” x 12”</td>
<td>1154.00</td>
</tr>
<tr>
<td>IA556</td>
<td>D3P300BX</td>
<td>200 lbs/100 kg</td>
<td>0.1 lbs/0.05 kg</td>
<td>24” x 15”</td>
<td>1164.00</td>
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### NOT LEGAL FOR TRADE

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<tbody>
<tr>
<td>IB011</td>
<td>KP1MS 3216-60</td>
<td>100 lbs</td>
<td>0.02 lbs/0.005 kg</td>
<td>15” x 12”</td>
<td>879.00</td>
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<td>IB012</td>
<td>KP1MS 3216-60</td>
<td>150 lbs</td>
<td>0.02 lbs/0.005 kg</td>
<td>15” x 12”</td>
<td>1177.00</td>
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<tr>
<td>IB013</td>
<td>KP1MS 3216-150</td>
<td>300 lbs</td>
<td>0.05 lbs/0.01 kg</td>
<td>15” x 12”</td>
<td>899.00</td>
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<tr>
<td>IB014</td>
<td>KP1MS 3216-150</td>
<td>500 lbs</td>
<td>0.05 lbs/0.01 kg</td>
<td>15” x 12”</td>
<td>1183.00</td>
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</table>

### CYCLONE BENCH AND PLATFORM SCALE

- 15” x 19” x 12” W

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>IB770</td>
<td>0-60 lbs/0-27 kg</td>
<td>20 g/0.05 lbs</td>
<td>651.00</td>
</tr>
<tr>
<td>IB771</td>
<td>0-150 lbs/0-68 kg</td>
<td>50 g/0.1 lbs</td>
<td>816.00</td>
</tr>
</tbody>
</table>

### TOP GUN ELECTRONIC PLATFORM SCALES

- For use in dry environments and areas with low humidity
- Counting function (secondary)
- Hi/Target/Lo (check weighing)
- Accumulation function
- Removable stainless steel platter (1.2 mm gauge) 12” W x 18” D (30.5 x 45.7 cm)
- Built-in level
- Adjustable lockable anti-slip leveling feet
- Predefined capacity settings eliminate installation errors
- Mobile installation
- Choice of ABS or stainless steel indicators

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mfg. No.</th>
<th>Indicator*</th>
<th>Frame**</th>
<th>Capacity</th>
<th>Graduation</th>
<th>Price/Each</th>
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<tbody>
<tr>
<td>IB015</td>
<td>KP1MS 3216-60</td>
<td>100 kg (ABS)</td>
<td>MS</td>
<td>60 kg/150 lbs</td>
<td>0.02 lbs/0.05 kg</td>
<td>1066.00</td>
</tr>
<tr>
<td>IB016</td>
<td>KP1MS 3216-60</td>
<td>100 kg (WR)</td>
<td>MS</td>
<td>60 kg/150 lbs</td>
<td>0.02 lbs/0.05 kg</td>
<td>1355.00</td>
</tr>
<tr>
<td>IB017</td>
<td>KP1MS 3216-150</td>
<td>150 kg (ABS)</td>
<td>MS</td>
<td>150 kg/300 lbs</td>
<td>0.05 lbs/0.1 kg</td>
<td>1079.00</td>
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<tr>
<td>IB018</td>
<td>KP1MS 3216-150</td>
<td>150 kg (WR)</td>
<td>MS</td>
<td>150 kg/300 lbs</td>
<td>0.05 lbs/0.1 kg</td>
<td>1390.00</td>
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</tbody>
</table>

*Indicator
ABS = ABS Plastic
WR = Stainless Steel
** Frame
MS = Mild Steel

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**KILOTECH**

www.kilotech.com

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**OFFICE PRODUCTS**

**INSTRUMENTS, SCALES & ELECTRICAL**

**SHIPPING & PACKAGING**

**TOOLS & EQUIPMENT**

**WELDING & METALWORKING**

**SAFETY & SUPPLIES**

**JANITORIAL & MAINTENANCE**

**MATERIAL HANDLING & STORAGE**

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### SCALES

#### INDUSTRIAL HANGING SCALES
- Cast aluminum scratch resistant body
- Clear shatter resistant face plate
- 7 1/2" Dia. kg and lbs. dial
- Heavy-duty welded steel shackle ring
- Large pointed J-hook
- 1-year warranty

### MINI DIGITAL CRANE SCALES
Ideal for light industry, hunters, luggage, parcels etc. This mini digital crane scale is versatile, reliable, accurate and easy to operate. A quality stainless steel load receptor and cast aluminum housing protect the scale. The combination of circuitry and dedicated weighing load cells ensure a stable reading.
- Stainless steel load receptor
- Cast aluminum housing
- LCD screen viewable from 22'
- Tare, Hold, Unit (between kg and lb.), Zero
- Programmable auto-off, auto-zero, manual zero, backlight
- Removable hook for easy cleaning
- For use in a dry environment and areas of low humidity
- 1-year warranty

#### VN SERIES ECONOMICAL FLOOR SCALES
The Ohaus VN Series of floor platforms and scales are the value solution to your dry weighing needs in industrial and commercial applications. Its high-quality construction is designed to minimize distortion under heavy loads, and ensures years of dependable performance. NTEP certification ensures consistent weighing results.

Standard features of the VN Series include:
- 5 mm/0.196” painted carbon steel weighing platform top plate
- with raised cross-hatch surface for added slip resistance
- Four NTEP-certified shear beam load cells protected to IP67
- Side-access NEMA 4X/IP65 dust and water protected
- Stainless steel junction box with 16 1/2’ indicator cable
- Carbon steel eyebolts attached to side
- of platform for easy lifting and positioning
- T31P indicator includes: Backlit LCD display with 1” high digits,
- Lbs. and kg weighing units, counting mode for inventory applications,
- Programmable modes: lb:oz, PCS, %
- Programmable serial output
- Printing simplified - USB and RS232 interfaces
- Graduations: 0.2 lbs./0.1 kg
- Legal/Not Legal for Trade: Not Legal for Trade

#### KWS CY-300 PLATFORM SCALE
- No lifting required, roll your dolly directly onto the ramp
- Mobile Wheels and handle allow for effortless movement
- Rugged mild steel checkered platform
- Ideal for small barrels, drums, kegs, tanks, pails and cylinders (non-flammable and non explosive substances)
- Accurate, efficient and profitable - HI/LO/Target, parts counting, %, TARE & data comparison features
- 2 preprogrammed weighing modes kg/lb.
- 3 programmable modes: Iruz, PCS, %
- Tare, hold, print, zero tracking & digital calibration
- Auto-power off and backlight
- Programmed serial output
- Printing simplified - USB and RS232 interfaces
- Graduations: 0.2 lbs./0.1 kg
- Legal/Not Legal for Trade: Not Legal for Trade
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