Solu-Blu™ GEN2 CO_2

DATA SHEET



SOLU-BLU™ GEN2 SUBMERSIBLE CO_2 SENSOR

The Solu-Blu™ GEN2 series of instruments are the next generation of dissolved gas monitoring. With a compact form and updated 6-pin micro series bulkhead connector, Solu-Blu GEN2 are designed to make dissolved gas measurements easier across research, aquaculture, and industrial applications while maintaining long-term reliability.

The Solu-Blu GEN2 CO_2 can be used for long-term continuous in-situ monitoring in numerous environments to provide reliable free dissolved carbon dioxide data. The probe provides fully temperature and pressure compensated free dissolved CO_2 and partial pressure of CO_2. Flow-through and in-line adapters are also available as custom options for simple and effective integration solutions.

FEATURES

- Low power
- Compact size
- Easy integration
- Durable
- Multiple output options
- Many concentration ranges

APPLICATIONS

- Aquaculture and live transport monitoring
- Measurements in lakes, rivers, and coastal zones
- Carbon capture and storage
- Groundwater and well water monitoring
- Wastewater greenhouse gas emissions
- Ocean glider and profiler missions

PRO OCEANUS Dissolved Gas Sensors
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SENSOR SPECIFICATIONS

Sensor Performance

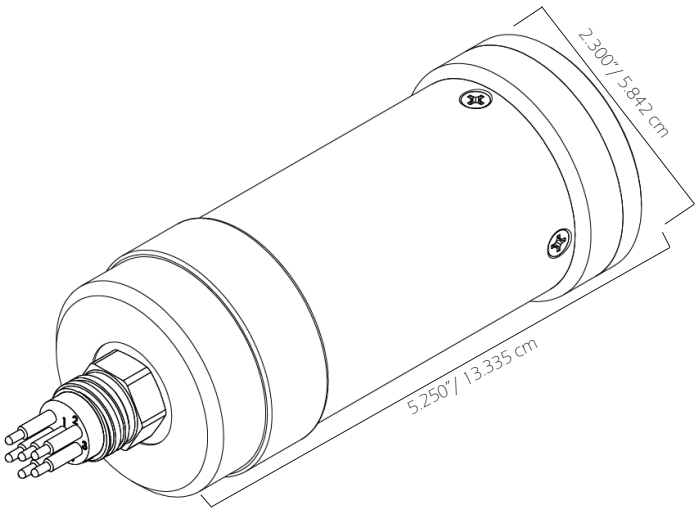
pCO_2 Measurement Ranges *other ranges available	0-2000 µatm CO2 0-5000 µatm 0-50 mg/L 0-1% (10,000 µatm) 0-100%
Accuracy	±3% of max range
Resolution	0.1% of max range
Equilibration rate (t_{63})	3 minutes

Electrical Parameters

Input voltage	8-24 VDC
Data output options	1. RS-232 CSV ASCII 2. RS-485 CSV ASCII or MODBUS 3. Analog 0-5 VDC 4. Analog 4-20 mA
Sample rate	1 second (variable with logger/controller)

Physical Parameters

Weight (Plastic)	Air: 0.4 kg (0.9 lbs) Water: 0 kg (0 lbs)
Housing	Plastic or Titanium
Depth Rating	Plastic: 0-600 meters Titanium: 0-6000 meters
Water Temperature	-2° to 35° C



Optional Accessories

Power/Communications Box
Allows for direct connection to computer and wall power outlet for plug and play operation

Water-Pumped Interface Head
Reduces biofouling and improves response rate

Pigtail Cables with Locking Sleeves
2, 5, 10, 20, 30, 50 meters or longer

Internal Battery power

Mooring cage or frame with instrument brackets

External Battery Pack

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