

Description

The C3030 is a potentiometric dissolved CO₂ sensor designed for use with any SU100 series single-use gas well. The sensor performs continuous measurement behind the rugged, sterile, steel-mesh reinforced membrane barrier of the gas well, eliminating the need to heat sterilize the sensor. The sensor has no wetted materials as the gas well prevents the sensor from direct contact with the BPC media.

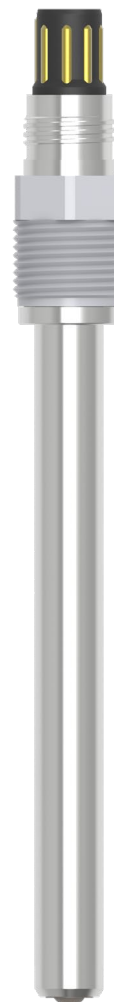
The C3030 millivolt output is compatible with all millivolt input CO₂ transmitters and similar instrumentation. The sensor output can be converted to Modbus RTU with a SmartSync™ signal conditioner.

The C3030 threads directly into any SU100 series gas well using the sensor's Pg13.5 threaded fitting. Hand tightened. No tools needed.

Model	C3030
Part Number	C3030-120-V8

Sensor Specifications

Measurement Range	10–250 mmHg
Operational Temp. Range	5°–50° C
Pressure Range	0–5 bar
Response Time:	T ₉₀ < 100 S at 37° C
Accuracy	±8% of reading
Sterilization Temperature	Not heat sterilizable. For use only with SU100 series single-use BPC gas wells.
Insertion Length	120 mm
Sensor/BPC Gas Well Interface	Pg13.5 Threads
Sensor Connector	8-pin Variopin
Sensor Output	• mV (±200 mV) • Modbus RTU (with SmartSync™)
Power Supply	Not applicable
Storage Temperature	5°–35° C [41°–95° F]
Shelf Life	60 months



CO₂ Sensor for Gas Well

Features

- Sensor works behind sterile barrier of any SU100 series gas well; does not need to be sterilized
- Internal memory chip retains detailed sensor calibration data and metadata

Benefits

- Saves time and work, lessens risk of sensor failure
- Sensor-specific saved data facilitates sensor performance tracking

Dimensional Drawings of C3030-120-V8

