

## Description

The C3030 is a potentiometric dissolved CO<sub>2</sub> (pCO<sub>2</sub>) sensor designed for use with SU100 series BPC gas wells. 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 pCO<sub>2</sub> 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 BPC 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	0–30% SAT [0–250 mmHg]
Operational Temp. Range	5°–50° C [41°–122° F]
Pressure Range	0–5 bar
Response Time:	T <sub>90</sub> < 100 seconds 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	• Analog: mV • Metadata: SensorTalk®
Power Supply	Not applicable
Storage Temperature	5°–35° C [41°–95° F]
Shelf Life	60 months



pCO<sub>2</sub> Sensor for Gas Well

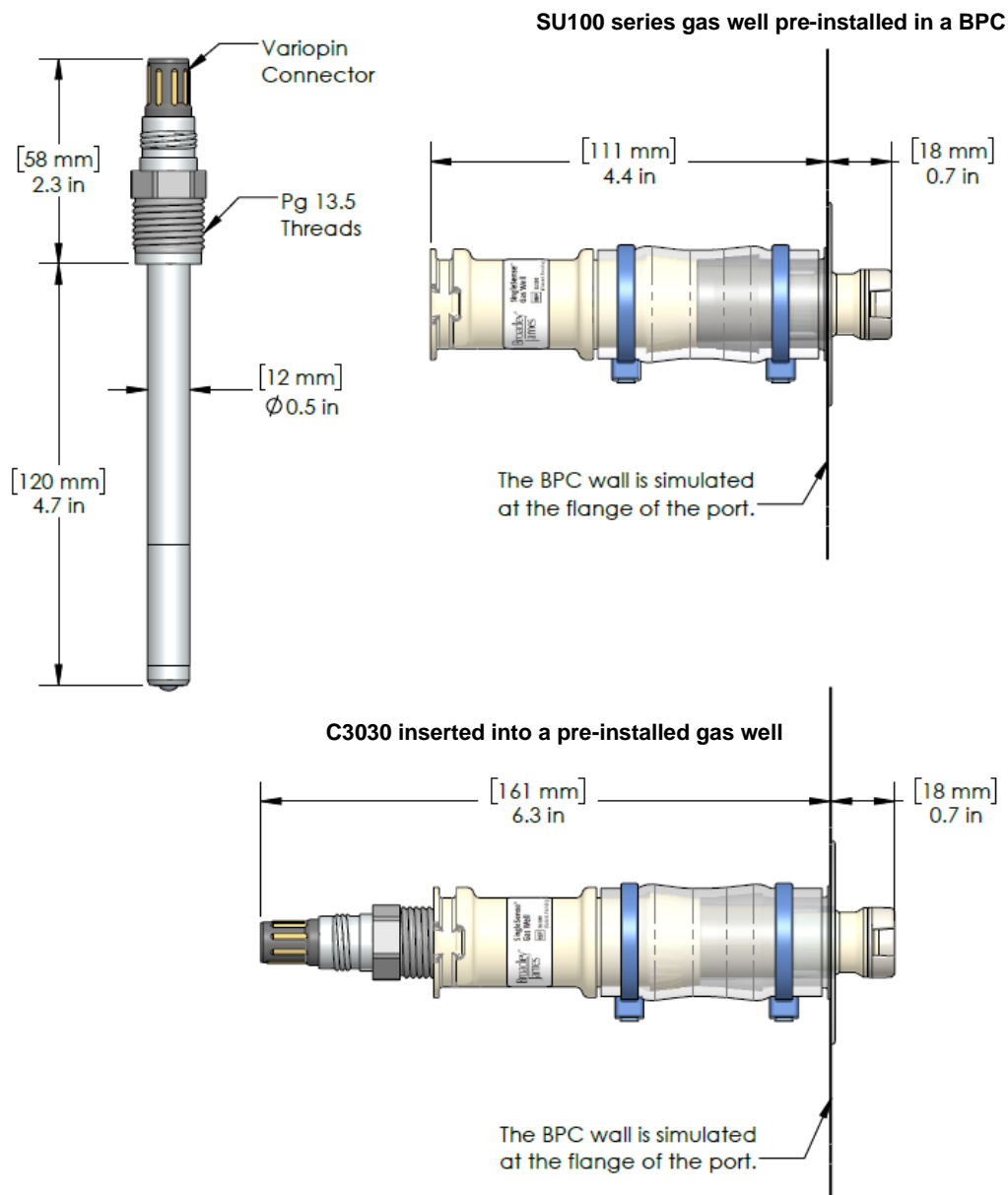
## Features

- Sensor works behind sterile barrier of any SU100 series BPC 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



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