

## Description

The D1030 is a polarographic dissolved oxygen (DO) 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.

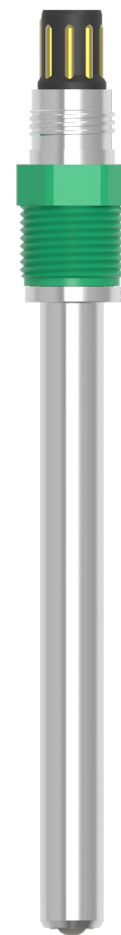
The D1030 nanoamp output is compatible with nanoamp input DO transmitters and similar instrumentation. The sensor output can be converted to Modbus RTU with a SmartSync™ signal conditioner.

The D1030 threads directly into any SU100 series gas well using the sensor's Pg13.5 threaded fitting. Hand tightened. No tools needed.

Model	D1030
Part Number	D1030-120-V8

## Sensor Specifications

Measurement Range	0 - 300% SAT (0–300 nA)
Operational Temp. Range	5°–50° C
Pressure Range	0–5 bar
Response Time:	T <sub>98</sub> < 15 seconds at 37° C; N <sub>2</sub> to AIR T <sub>98</sub> < 15 seconds at 37° C; AIR to N <sub>2</sub>
Accuracy	Within 1% full scale (% SAT)
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	• nAmp • Modbus RTU (with SmartSync™)
Power Supply	Not applicable
Storage Temperature	5°–35° C [41°–95° F]
Shelf Life	60 months



OxyProbe™ DO Sensor

## 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 Drawing of D1030-120-V8

