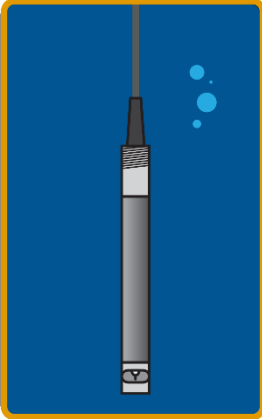
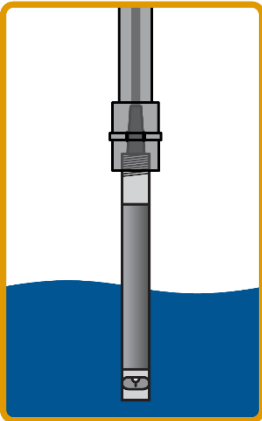


The D-phi Series™ ORP Sensor

Model D-phi-s

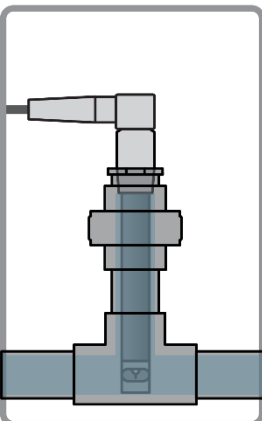


Submersion



Standpipe

Model D-phi-i



Inline

If you want a user-friendly, low-maintenance ORP monitoring system, then this 4-20 mA ORP sensor is your answer. Enjoy hassle-free installation, calibration, and cleaning. Avoid headaches like ground loops, electrode poisoning, and electrode replacement thanks to the differential electrode. With all these benefits, a 2-year warranty, and exceptional product support*, this ORP sensor serves up incredible value for your business.

It's time to experience the D-phi difference.

Features

- **Linear 4-20 mA output**
 - Simple to understand
 - Easy to calibrate
 - Accurate over long distances
 - Compatible with wide variety of dataloggers, PLCs, SCADA, and IoT systems.
- **Differential electrode technology**
 - No electrode poisoning
 - No electrode replacement required
 - Prevents ground loops*
- **Rugged glass bulbs**
 - Quickly clean the electrode with a soft brush or automated system without worries of damage
- **Chemical-resistant titanium and Delrin® housing** (PVDF available)
- **Built-in 0-50°C temperature sensor (secondary 4-20 mA output)**
- **3/4" or 1" NPT backend (depending on model)**
- **Fully submersible**
- **Dry storage**
- **Automatic Temperature Compensation (ATC)**
- **Electrically isolated**
- **2-wire connection with Reversible Input Protection**

*In combination with built-in electrical isolation



Specifications

ORP Range	-1000 to +1000 mV
Response Time	95% < 5 seconds
Wake Time	3 seconds
Output	4-20 mA 2-wire
Electrode Type	Differential
Wetted Materials	Delrin®, titanium, glass, Viton™, platinum
Thread Type	¾-inch MNPT or 1-inch MNPT
Cable Type	Polyurethane, Kevlar® reinforced, water blocked, shielded, twisted-pair wiring
Max. Flow Rate	10 ft. per second
Storage Temperature	40-80°F (4-27°C)
Operating Temperature	32-155°F (0-70°C)
Operational Pressure Range	0-100 psi
Electrical Isolation	Up to 600 VDC
Power Supply Requirements	8-40 VDC, ≥20mA
Linearity	±4 mV
Accuracy	±4 mV
Sensitivity	1 mV
Weight (No cable)	0.5 lbs

Dimensions	Units (inches [cm])
Length	9.25 [23.50]
Diameter	1.00 [2.54] (max)
Minimum Submersion Depth	1.25 [3.18]

Delrin® and Kevlar® are registered trademarks of DuPont™. Viton™ is a trademark of Chemours™.



Visit the [product page](#) for more information and product resources.

For Orders or Questions:

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