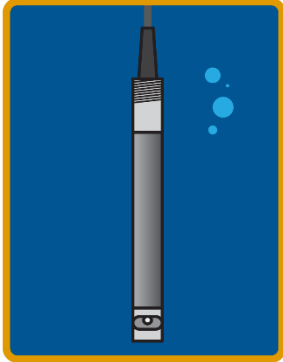
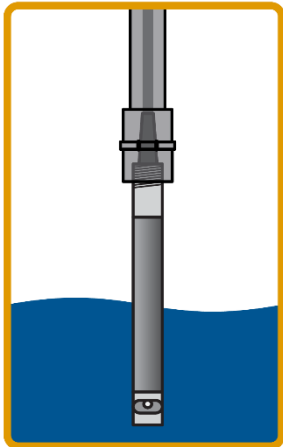


# The D-phi Series™ pH Sensor

## Model D-phi-s

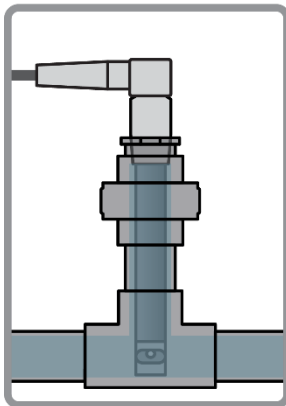


Submersion



Standpipe

## Model D-phi-i



Inline

If you want a user-friendly, low-maintenance pH monitoring system, then this 4-20 mA pH 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 pH 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



See Specifications on next page.

## Specifications

<b>pH Range</b>	0-14 pH
<b>Response Time</b>	95% < 5 seconds
<b>Output</b>	4-20 mA   2-wire
<b>Electrode Type</b>	Differential
<b>Wetted Materials</b>	Delrin®, titanium, glass, Viton™
<b>Thread Type</b>	¾-inch MNPT or 1-inch MNPT
<b>Cable Type</b>	Polyurethane, Kevlar® reinforced, water blocked, shielded, twisted-pair wiring
<b>Max. Flow Rate</b>	10 ft. per second
<b>Storage Temperature</b>	40-80°F (4-27°C)
<b>Operating Temperature</b>	32-155°F (0-70°C)
<b>Operational Pressure Range</b>	0-100 psi
<b>Automatic Temperature Compensation</b>	Included from 32-155°F (0-70°C)
<b>Electrical Isolation</b>	Up to 600 VDC
<b>Power Supply Requirements</b>	8-40 VDC, ≥20mA
<b>Linearity</b>	±0.05 pH
<b>Accuracy</b>	±0.05 pH
<b>Sensitivity</b>	0.01 pH
<b>Weight (No cable)</b>	0.5 lbs

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

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

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