



pHACT pH Sensors with Built-In



PHE-9150-15, \$290, shown smaller than actual size.



PHE-9151-15, \$290, shown smaller than actual size.

PHE-9153-15
Starts at
\$290



- ✓ Built-In Differential Preampfier
- ✓ Automatic Temperature Compensation
- ✓ High Temperature
- ✓ Low Maintenance
- ✓ Long Insertion Length
- ✓ Any Angle Orientation



PHE-9152-15, \$290, shown smaller than actual size.

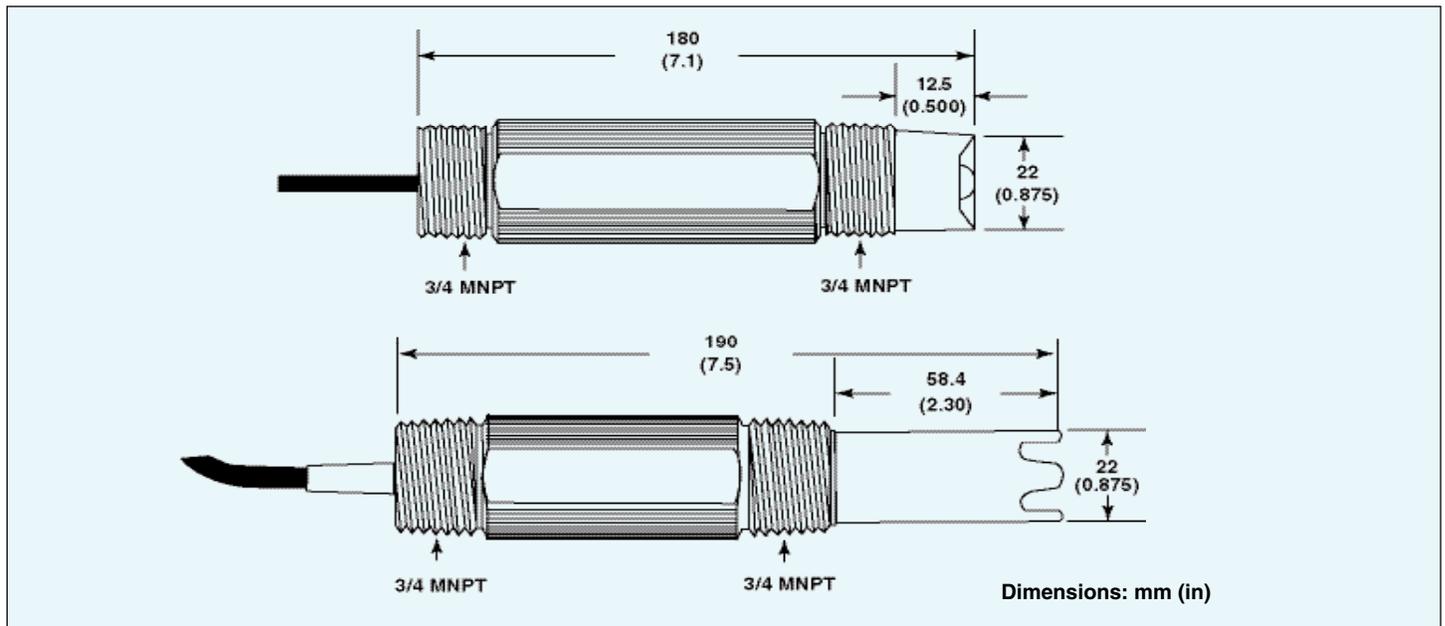


PHE-9153-15, \$290, shown smaller than actual size.

The pHACT is a fast acting pH sensor, with a built-in differential amplifier and 100 Ω ATC sensor that provides a compensated output compatible with any pH meter. It is an ideal solution for ground loop problems, since it has a built-in solution ground and low impedance output, making the pHACT immune to noise. The Ryton® molded body has a high chemical resistance. The PHE-9150 series uses a high pH glass formulation, the perfect choice for extreme pH applications, with a triple PTFE junction reference cell. Coupled with the novel plunger electrode design, this sensor assures low maintenance in most applications. The PHE-9151 is manufactured for low viscosity and in-line use, with a 3/4" or 1" MNPT. It is ideal for the pulp and paper industry, as well as electroplating and petro-chemical applications. The PHE-9153 has 12 mm (0.5") insertion length, while PHE-9151 has 59 mm (2.3") for use in large pipes. PHE-9150/52 are manufactured in such a way that can be used in-line or submersible applications, with a 3/4" or 1" MNPT. While the PHE-9150 has only 23 mm (0.9") insertion length, the PHE-9152 offers 59 mm (2.3"), to be able to reach into large diameter pipes, or tanks. Units come standard with 4.6 m (15') of cable.



Differential Preamplifier and ATC



Specifications

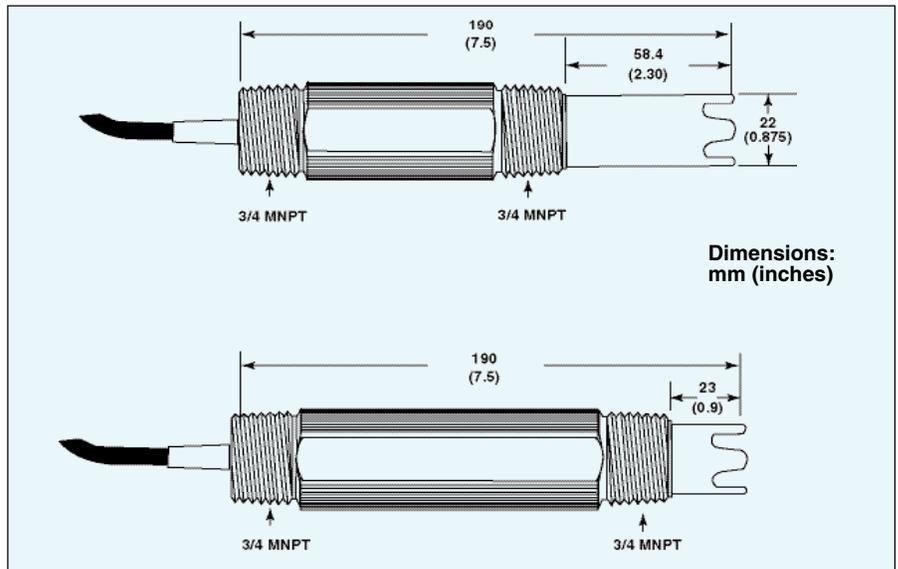
Body Material: PPS (Ryton®)
pH Range: 0 to 14 pH
Temperature Range: 0°C to 80°C (32 to 176°F) (standard version)
 0°C to 110°C (32 to 230°F) (high temperature version)
Pressure Range: 0 to 100 psig (standard version) 0 to 150 psig (high temperature version)
Accuracy: ±0.1% over full range
Sodium Error: Less than 0.05 pH in 0.1 molar Na⁺ ion @ 12.8 pH
Impedance: Less than 1 MΩ @ 25°C (76°F)
Reference Cell: Double KNO³ KCl/AgCl
Zero Potential: 7.0 pH ± 0.2 pH
Wetted Materials: PPS (Ryton®), PTFE, Viton®, glass
Response Time: 95% of reading in 10 seconds
Drift: Less than 2 mV per week

Option Code

Suffix	Description	Price
-HF	HF/fluoride resistant	\$50
-HT	High temperature reference cell	35
-ORP	Redox measurement	40

Accessory

Model No.	Price	Description
ES-2258	\$99.95	Reference Book: Water Treatment Storage Facilities Handbook



MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
PHE-9153-15	\$290	pHACT 3/4" MNPT sensor
PHE-9151-15	290	pHACT 3/4" MNPT sensor with long insertion
PHE-9152-15	290	Long length insertable sensor
PHE-9150-15	290	pHACT sensor with recessed bulb

Comes standard with 4.6 m (15') of cable.

Ordering Examples: PHE-9153-15, pHACT 3/4" MNPT pH electrode, \$ 290.
 PHE-9152-15, long length insertable pH electrode, \$ 290.

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