

pH ORP Sensor 3/4" MNPT

PRM11

Description

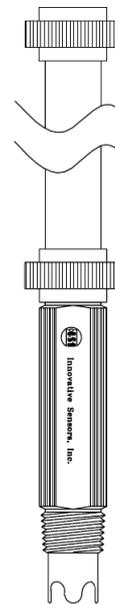
The PRM11 process pH sensor features the Plunger pH electrode design that permits 360° sensor mounting. The porous Teflon® liquid junction resists fouling and chemical attack. Double junction reference cells increase the service life in applications containing sulfides (H²S) and metals such as lead, mercury and silver. The new cast-in-place solid reference electrolyte helps maintain a constant reference cell potential by resisting dilution over time with pressure and temperature changes. The new capillary temperature sensor design places the Pt100 behind the pH sensitive membrane for accurate temperature compensation and measurement. The IP68 environmental rating protects the high impedance pH electrode signal from moisture resulting from condensate build up in submersion pipes. The PRM11 is recommended as a general purpose sensor for submersion / insertion into tanks or in pipelines; available for ORP applications.



Specifications

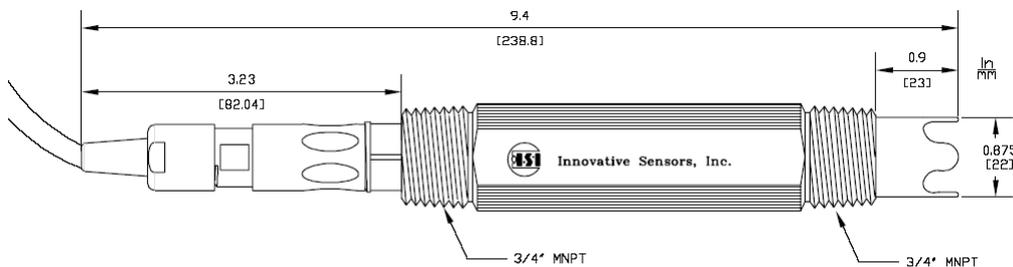
Body Material	Ryton®
O-Rings	Viton®
Drift	< 2.0 mV/week
Fitting:	3/4" MNPT
Cable:	4.5m with BNC
Response Time	95% in 10 seconds @ 25°C
Asymmetry Potential	7.0 pH ± 0.2 pH
Theoretical Slope	± 59.16 mV / pH unit @ 25°C
Sodium Error	< 0.05 pH in 0.1 Molar Na+ Ion @ 12.8 pH
Glass Bulb Impedance	150 Megohms @ 25°C

Submersion Installation



- 3/4" Submersion Pipe
- Attach Sensor to Pipe with 3/4" Union
- Use Teflon® Tape on Sensor to permit removal for routine maintenance
- Sensor must remain in solution at all times

Order Code	Measurement	Temp Range	Pressure
PRM11-P	0-14pH	0-80°C	10.3 bar
PRM11-0	ORP / Redox.	0-110°C	10.3 bar
PRM11-T	0-14pH plus PT100 RTD probe.	0-80°C	10.3 bar
PRM11-H	0-14pH	0-110°C	10.3 bar
PRM11-G	0-14pH plus PT100 RTD probe.	0-110°C	10.3 bar



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