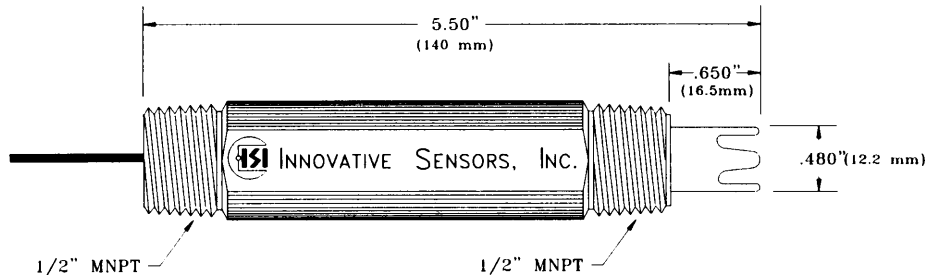




Innovative Sensors, Inc.

ISI SOLUTIONS - Specialty Sensors for Difficult Applications

Model 10 - General Purpose 1/2" MNPT pH Sensor



The Model 10 pH sensor is designed for use in most water and waste water applications. The large reservoir of reference electrolyte, coupled with the non-fouling nature of the POROUS TEFLON[®] liquid junction, assures a long life in general service.

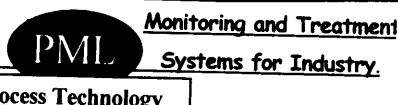
The sensor body reduces the risk of accidental breakage during installation and maintenance by the inclusion of protective lobes around the sensing element. The High Temperature version is recommended where service temperatures exceed 80°C.

Applications

This sensor is recommended for use in potable water supplies, cooling towers, fresh and salt water aquariums, water parks and secondary treated waste water. Also available for ORP measurement.

Specifications

Body Material	PPS (Ryton [®])
pH Range	0 to 14 pH
Temperature Range	-5°C to +80°C (Standard version) +25°C to +110°C (High Temperature version)
Pressure Range	0 to 100psig
Accuracy	±0.1% over full range
Impedance	80Mohm (Standard version) 150Mohm (High Temperature version)
Reference Cell	Single Junction, KCl/AgCl
Reference Junction	Porous Teflon [®]
Wetted Materials	PPS (Ryton [®]), Teflon [®] , Viton [®] , Glass
Response Time	95% of reading in 10 seconds
Drift	Less than 2mV per week



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INNOVATIVE SENSORS INC.
REGISTERED TO ISO 9002
CERTIFICATE NO. A2865

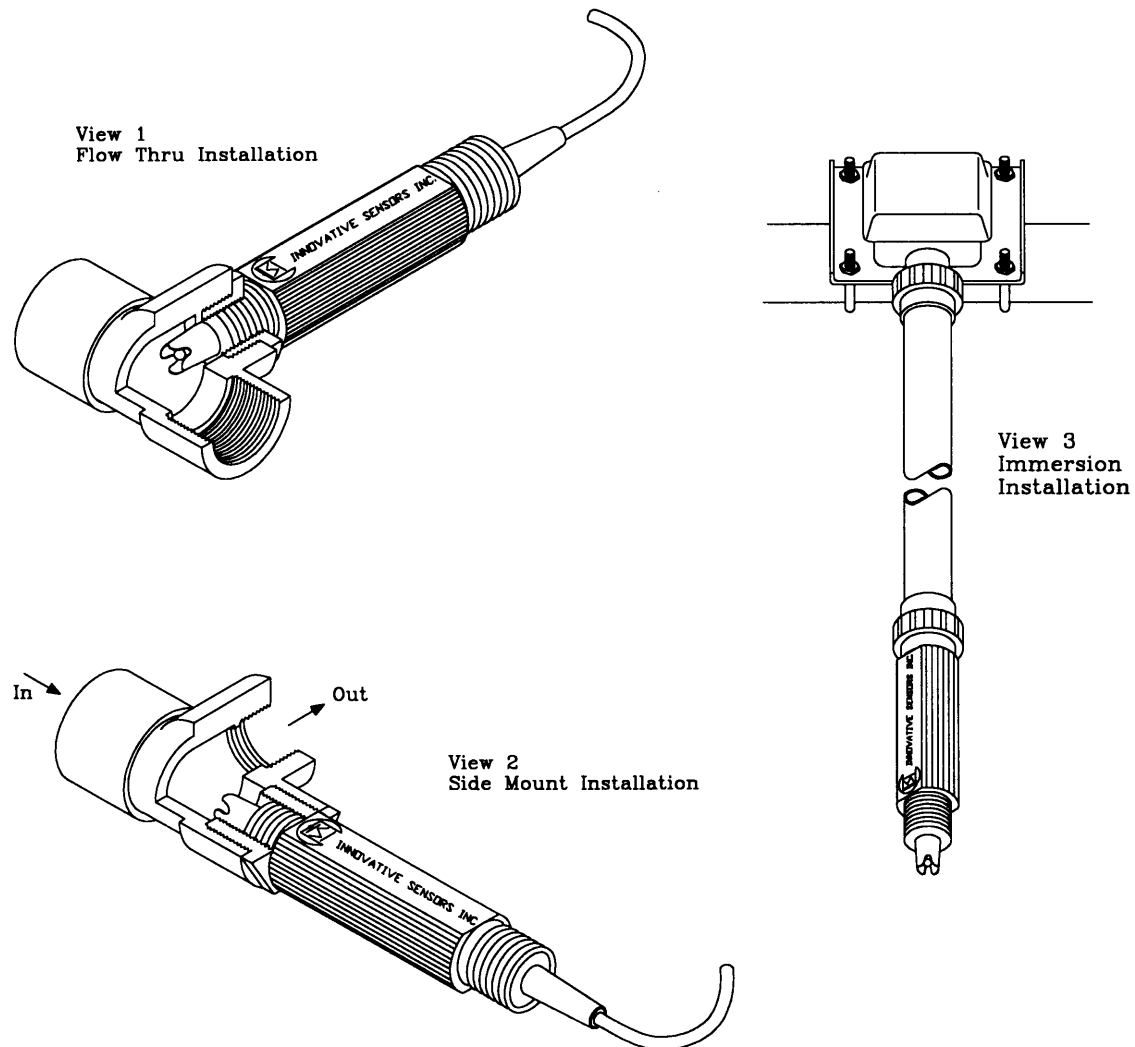


Available Options

M-10	General purpose ½" MNPT pH sensor for use in most water and waste water applications.
M-10-ORP	Used for Redox measurements in relatively clean waters.
M-10-HT	For use in temperatures above 80°C, except where ethers, ketones and most aromatic hydrocarbons are present. If these solvents are present the standard version should be used, regardless of temperature.

The Model 10 is supplied with a 10 foot TPE high temperature/ultra low noise cable and BNC connector.

Installation Guide



** Patent No. 4,128,468

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Ryton® is a registered trademark of Phillips 66 Co.

Kynar® is a registered trademark of Elf Autochem North America.

**Mounting Tees are available in
PVC, PVDF (Kynar®) and
Stainless Steel**



Printed on
Recycled Paper



Form Ref: I10-DS-A94