Model 35 Twist Lock pH Sensor

Features

- Optional ORP Measurement
- Patented Porous Teflon® Liquid Junction
- Double Junction Reference Cell
- Solution Ground



Applications

- Water and Wastewater Treatment
- Cooling Towers
- Plating Baths
- General Industrial Service

Description

The Model 35 pH sensor provides ease of use with the twist lock design and includes all the features required to maximize service life and interface with advanced microprocessor analyzers and transmitters. The solution ground provides compatibility with diagnostic functions and differential preamplifiers. The Porous Teflon® liquid junctions resists fouling and chemical attack. Double junction reference cells increase the service life in applications containing sulfides (H_2S) and metals such as lead, mercury and silver.

Specifications

Model 35	Specifications
Body Material	Ryton® with 316 SS pins
O-Rings	Viton®
Measuring Range	0 to 14 pH
Temperature Range	-5 to 70°C (23 to 158°F)
Maximum Pressure @ 25°C	6.9 bar (100 psig)
Drift	< 2.0 mV/week
Response Time @ 25°C	95% of reading in 5 seconds
pH Glass Bulb Impedance @ 25°C	150 Megohms

[1] United States Patent No. 4,128,468
® Teflon and Viton are Registered Trademarks of E.I. Dupont de Nemours Company
® Ryton is a registered trademark of Philips 66 Co.

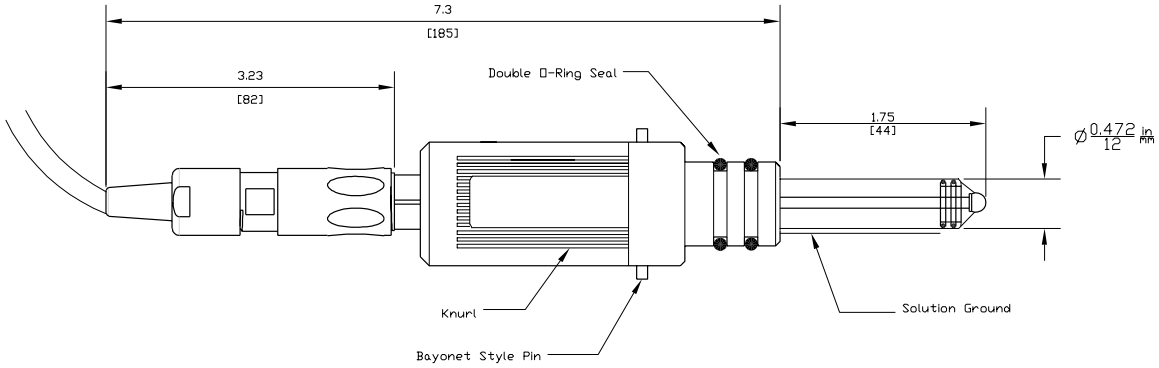
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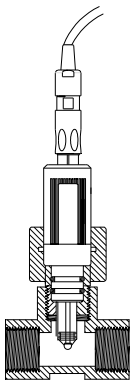
Ordering Information

The Model 35 pH sensor features ease of use in a twist lock design. The sensor includes peripheral porous Teflon liquid junction, double junction gel filled reference cell, solution ground and 3.3M (10.0 ft.) cable with BNC connector.

Model 35 Ordering Information	Description
M - 35	Twist lock pH Sensor Double Junction Reference Cell Solution Ground No Temperature Compensation 3.3m (10ft.) Cable with BNC
Options	**Description**
ORP	Platinum ORP Electrode
PT100	Temperature Compensation, 100 Ohm Platinum RTD
PT1000	Temperature Compensation, 1000 Ohm Platinum RTD
T68	Top 68 Quick Disconnect
3KTC	Temperature Compensation, 3000 Ohm Thermister
M-35-PT100	Example Order Number

Model 35 Accessories	Description
Z8150	¾" MNPT Mounting Adapter
Z8155	1.0" MNPT Mounting Adapter
Z8150	**Example Order Number**





Flow Installation

- ¾" or 1" NPT Pipe Tee (By Others)
- Use Tefon® Tape to seal adapter threads
- Install shut off valves upstream and downstream of sensor
- Optimum flow rate is 3 to 5 GPM
- Sensor must remain in solution at all times

Note: Variations in design of plastic plumbing parts from different manufactures can be expected. Check tolerances prior to installation.