Aquametrix Model P575/R575
Combination Style pH / ORP Probes

Features

- Convertible design for flow through and submersion use
- Constructed of durable materials for excellent chemical resistance
- Industrial-grade quality at low cost
- With or without temperature compensation

Description

These industrial combination pH or ORP probes use the conventional measurement technique employing a process pH glass electrode (platinum for ORP) which is compared to a reference electrode in KCl solution.

These combination probes provide an economical alternative to higher cost models. The durable materials wetted by the process provide excellent chemical

resistance. The convertible design of these probes allows them to be used in flow-through and submersion applications thus minimizing inventory requirements. The probes are offered with or without temperature compensation.

CPVC mounting hardware is available for submersion and flow-through. These industrial combination probes are available with an optional screw-on protector for submersion mount use. It is easily removed for flow-through installations when the probe is mounted to a tee.

The 575 can be directly connected to the Shark, SharkTX/P and 2200P/R analyzers, provided the instrument is within reach of the 3 meter sensor cable. For longer transmission distances, a preamplifier with automatic or fixed temperature compensation are available. Refer to other side for more details.

An alternative model is installed with a 3/4” MNPT compression fitting. With this design the probe does not screw into the process line but is simply inserted through the compression fitting. Probe cleaning and system calibration is greatly facilitated. Ask for data sheet P585 / R585.

Applications

- Process Control
- Industrial and Municipal Water Treatment
- Industrial and Municipal Waste Treatment and Neutralization
- Fume Scrubbers
- Plating
- Circuit Board Manufacturing
- Food and Beverage
- Chemical Processing
- Pulp and Paper
- Mining
- Power Generation
- Pharmaceutical Industry

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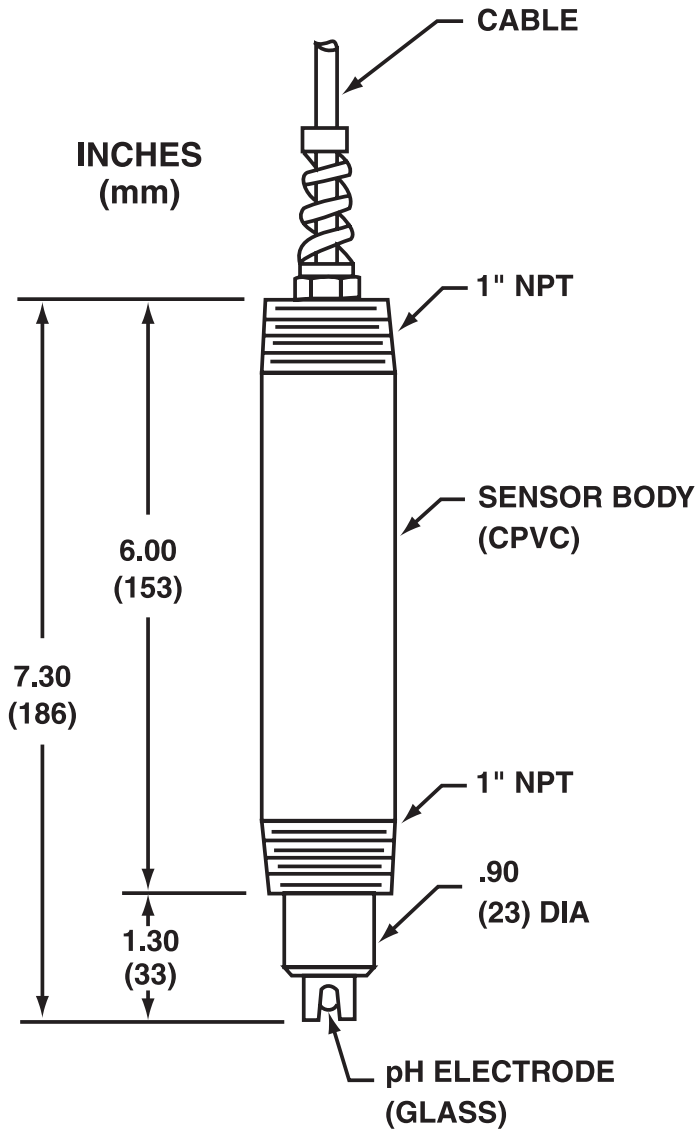
Technical Data

Measuring Range	
pH	0 to 14 pH (Consult factory for applications below 2 or above 12).
ORP	-1000 to +1000 mV
Wetted Materials	CPVC body, ceramic junction, glass electrode, EPDM (plus platinum for ORP)
Temperature Limits	-5 to 80°C (23 to 176°F)
Maximum Pressure	100 psig to 65°C
Maximum Flow Rate	3 meters (10 ft.) per second
Sensitivity	
pH	0.01 pH
ORP	1.0 mV
Stability	
pH	0.05 pH per day, non-cumulative
ORP	3.0 mV per day, non-cumulative
Output Impedance	
pH	250 Megaohms (typical)
ORP	2.0 Megaohms (typical)
Sensor Cable	3 metres (10 ft.) coaxial, terminated with a spade lug for active electrode, other wires tinned

Related Products

CABLES & ACCESORIES	
MH575S	Submersion hardware
JB1	NEMA 4X junction box with junction box
C42-5PXXX	Interconnect cable; dressed both ends - specify length
101-A	Encapsulated preamplifier in NEMA 4X enclosure
101-A-BNC	Encapsulated preamplifier with BNC connection in NEMA 4X enclosure
Protector-5	Submersion Protector
CALIBRATION SOLUTIONS	
A35-13	pH 4 Buffer, 500 mL.
A35-14	pH 7 Buffer, 500 mL
A35-24	pH 10 Buffer, 500 mL
A35-40	ORP Buffer, 200 mV, 500 mL
A35-41	ORP Buffer, 600 mV, 500 mL

Dimensions



Ordering Information

P575/P575-BNC	Industrial Combination pH probe for flow-through or submersion application without temperature compensation. BNC connector is available as an option.
P575K1	Industrial Combination pH probe for flow-through or submersion application with automatic temperature compensation. Compatible with Shark and SharkTX/P analyzers only. (PT1000 RTD)
P575K2	Industrial Combination pH probe for flow-through or submersion application with automatic temperature compensation. (300 ohm NTC)
R575/R575-BNC	Industrial Combination ORP electrode for flow-through or submersion application. BNC connector is available as an option.