![AquaMetrix by Water Analytics logo]

Features

- Differential Measurement
- Replaceable Salt Bridge
- Low Maintenance Cost
- Easy in: no twisted cable
- Easy out: no special tools
- Adjustable insertion depth
- Easy Cleaning
- Encapsulated Preamp Transmits up to 3000 ft
- 4-20 mA two-wire blind transmitter version available
- Hot-Tap hardware available
- Flat-faced and Hardened glass version available for pH

Description

The 60 series pH and ORP sensors are dependable industrial grade sensors designed to provide accurate measurement and longer service life under the most demanding conditions. The P60C7 pH sensor incorporate all the benefits of differential measurement found in other models of the 60 series, field proven in thousands of installations. This technique uses two glass electrodes to make the measurement differentially with respect to a third metal electrode.

This second electrode is protected from the process by a double junction replaceable salt bridge. The resulting true differential measurement has several advantages over conventional sensors: ground loop problems are virtually eliminated, and the salt bridge is easily replaced. If the internal solution becomes contaminated, the sensor can be rejuvenated at modest cost by replacing the salt bridge and reference solution. Automatic temperature compensation is accomplished through the use of an embedded Pt1000 RTD inside the tip of the ground rod. This Pt1000 RTD placement provides rapid response for process temperature variations.

The P60C7 sensors have extended length for hot-tap applications. It is designed to be used with the AM-HTC-7 ball valve assembly with a variable insertion depth between 7/8" and 14". The sensor can be easily removed for cleaning and calibration without emptying the tank.

The encapsulated preamplifier provides an output signal which can be transmitted 3000 feet over inexpensive cable. For greater distances, see the P65 data sheet for the sensor that encapsulates a blind 4-20 mA two-wire transmitter which can transmit a virtually unlimited distance over a twisted pair cable.

Applications

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

RoHS Compliant

MADE IN AMERICA

![AquaMetrix by Water Analytics logo]

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978-749-9949
Toll free 855-pH Probe
(855-747-7623)
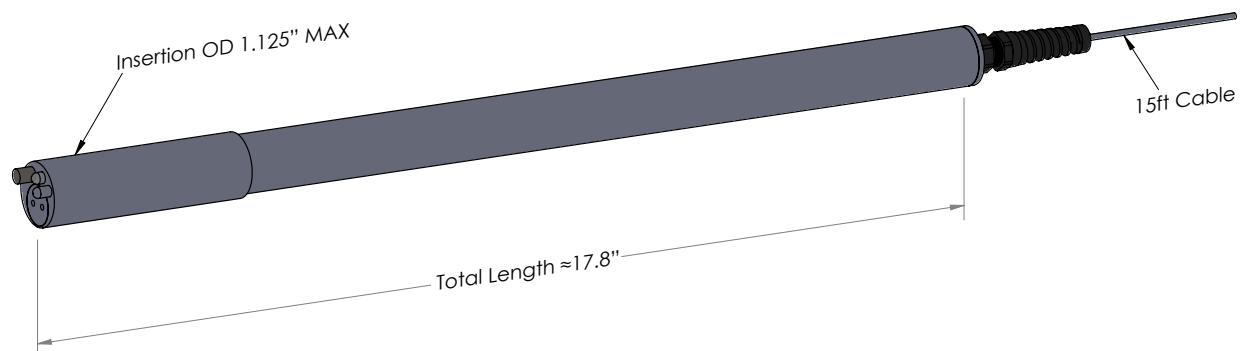www.WaterAnalytics.net

Model P60C7 Differential Hot-Tap Sensor

Technical Data

Measuring Range	0 to 14 pH (Consult factory for applications below 2 or above 12).	Stability	0.03 pH/day, non-cumulative
Wetted Materials	CPVC, kynar, glass, titanium palladium alloy and EPDM	Sensitivity	0.01 pH
Temperature Limits	-5 to 95°C (23 to 203°F) The temperature limit of probes in flow-through applications is limited by pressure and by the pipe fitting material.	Accuracy	± 0.02 pH
		Sensor Cable	5 Conductor plus shield, 15 ft. (4.6m)
Maximum Pressure	100 psig at 65°C maximum		
Maximum Flow Rate	10 ft. (3 meters) per second		
Automatic Temperature Compensation	Standard PT1000Ω RTD Optional ATC: 300 NTC		

Dimensions

Insertion OD 1.125" MAX

15ft Cable

Total Length ≈17.8"

Related Products

ACCESORIES

AM-SBK-567	Salt bridge kit for -7 series sensor (3 Pack)
AM-HTC-7	Hot tap ball valve
AM-CBL60	Extension cable for 60 series
AM-JB1	NEMA 4X junction box

CALIBRATION SOLUTIONS

AM-PH4-1P	pH 4 Buffer, 1 pint (500 mL)
AM-PH7-1P	pH 7 Buffer, 1 pint (500 mL)
AM-PH10-1P	pH 10 Buffer, 1 pint (500 mL)

Ordering Information

P60C7-015	pH sensor, for use with hot-tap assembly
P60C7H-015	pH sensor with Hard glass electrode
P60C7F-015	pH sensor with flat faced electrode
P60C7N-015	pH sensor with 300NTC thermistor

ANALYZERS

AM-2250	Multi-Parameter Controller
AM-2250TX	Multi-Parameter Transmitter
AM-2251	Multi-Parameter Controller