



SALIENT FEATURES

- * Patented Plunger1 pH Electrode Design
- * Choice of High Temperature, High pH or ORP Measurement
- * Patented Porous2 Teflon® Liquid Junctions
- * Double Junction Reference Cell
- * New Cast-In-Place Solid Reference Electrolyte
- * Optional Integral Unity Gain Preamplifier
- * New TOP68 Quick Disconnect Cable
- * New Capillary TC Design
- * New Non-Metallic Solution Ground



DESCRIPTION

The Wedgewood USA make process pH sensor features the Plunger pH electrode design which 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 or Pt1000 TC behind the pH sensitive membrane for accurate temperature compensation and measurement. The TOP 68 quick disconnect cable system provides ease of use and the reliability of fixed cable. The IP68 environmental rating protects the high impedance pH electrode signal from moisture resulting from condensate build up in submersion pipes.

APPLICATIONS

- * Water and Wastewater Treatment
- * Coagulation and Flocculation
- * Process Monitoring and Control
- * Acid / Caustic Neutralization
- * Plant Effluent

TECHNICAL SPECIFICATIONS

Body Material	:	Ryton®
O-Rings	:	Viton®
Measuring Range	:	0 to 14 pH
Temperature Range	:	0 to 80°C (32 to 176°F) Standard Version 0 to 110°C (32 to 230°F) High Temp Version
Pressure Range	:	0 to 6.9 bar (0 to 100 psig) Standard Version 0 to 10.3 bar (0 to 150 psig) High Temp Version
Drift	:	< 2.0 mV/week
Response Time @ 25°C	:	95% of reading in 10 seconds
Asymmetry Potential	:	7.0 pH ± 0.2 pH
Theoretical Slope	:	< 0.05 pH in 0.1 Molar Na ⁺ Ion @ 12.8 pH
Sodium Error	:	± 59.16 mV / pH unit @ 25°C (77°F)
pH Glass Bulb Impedance @ 25°C	:	150 Megohms

CODIFICATION FOR pH ELECTRODE

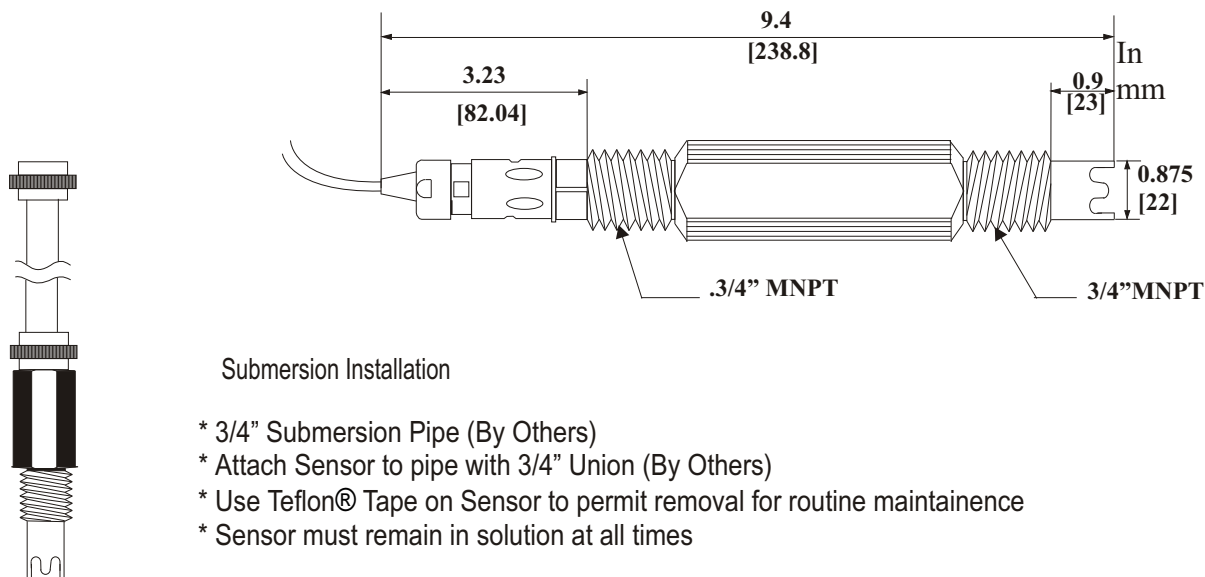
CODE	ELECTRODE DESCRIPTION
00	: PROCESS PH SENSOR WITH PROTECTIVE GUARD
01	: DOUBLE JUNCTION REFERENCE CELL, KCL/AGCL AND KNO ₃ A
02	: NO TEMPERATURE COMPANSATION
03	: 3/4 " MNPT PROCESS CONNECTION
04	: 23.0MM (0.9") INSERTION LENGTH
05	: 4.5M (15 FT) CABLE WITH BNC

CODE	OPTIONS
T68	: TOP68 QUICK DISCONNECT
AMP	: INTEGRAL UNITY GAIN PREAMPLIFIER
ORP	: PLATINUM ORP ELECTRODE
HT	: FOR CONTINUOS HIGH TEMPERATURE USE, >80°C
HPH	: FOR CONTINUOS HIGH PH USE, >11.0 PH
PT100	: TEMPERATURE COMPESATION, 100 OHM RTD
PT1000	: TEMPERATURE COMPESATION, 1000 OHM RTD
3KTC	: TEMPERATURE COMPESATION, 3000 OHM THERMISTER
SG	: SOLUTION GROUND

ELE:T68-PT100-SG

SAMPLE MODEL NUMBER

MOUNTING DETAILS



Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY

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