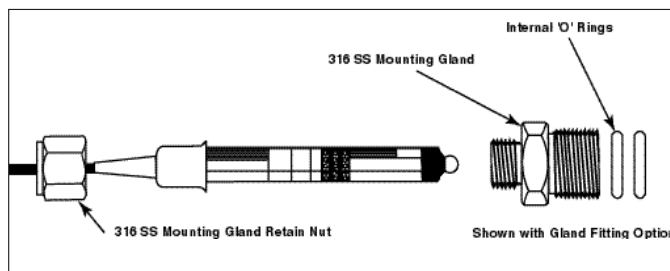


UNIVERSAL INDUSTRIAL ELECTRODES

12 mm (0.47") pH Sensor for Tough Measurement Applications

Applications:

- ✓ High Temperature Environment
- ✓ Continuous Processing Applications
- ✓ Harsh Conditions
- ✓ Steam Sterilization



The PHE-5432 is a steam-sterilizable combination pH electrode designed to withstand high temperatures and pressures. The use of a porous Teflon® liquid double junction and specifically formulated low impedance glass membrane allows it to function in the broadest spectrum of pH applications. This combination of features permits extended periods of pH measurement in the presence of poisoning ions or where membrane leaching would shorten the life of a conventional electrode. Melting of the cable due to contact with steam lines and motion generated noise are common problems with interconnecting cables on steam sterilizable electrodes. Our proprietary TPE high temperature/ultra-low noise cable is designed for optimal service, even in this demanding environment.

SPECIFICATIONS

- pH Range:** 0 to 14 pH
- Temperature Range:** -5 to 135°C (23 to 275°F) @ 25 psig
- Maximum Pressure:** 500 psig @ 25°C (77°F)
- Accuracy:** ±0.1% over full range
- Sodium Error:** Less than 0.05 pH in 0.1 Molar Na⁺ ion @ 12.8 pH
- Reference Cell:** Double Junction KNO³ and KCl/AgCl
- Reference Junction:** Porous Teflon®
- Zero Potential:** 7.0 pH ±0.2 pH
- Wetted Materials:** Teflon®, glass membrane, glass outer body.
- Ryton outer body on PHE-5432-10
- Drift:** Less than 2 mV per week



PHCN-37 pH controller shown smaller than actual size

PHE-5432-10 pH sensor

To Order (Specify Model Number)			
Model No.	Price	Price w/ATC	Description
PHE-5432-10-(*)	\$95	\$120	Glass body, porous Teflon® liquid junction pH electrode
ISE-5432-10-NA-(*)	200	225	Na/Sodium ion selective electrode
ORE-5432-10	125	-	Oxidation Reduction Potential electrode

Specify ATC sensor: "-PT100" for 100 ohm Platinum RTD or "-PTIK" for 1000 ohm Platinum RTD.
Ordering Example: PHE-5432-10-PT100, high temperature probe with 10 feet of cable and 100 ohm ATC, \$95 + 25 = \$120.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters