



INDUSTRIAL pH INSTRUMENTATION & ELECTRONICS

Triple-Junction pH Electrode

PHE-5433-10



The PHE-5433-10 electrode is housed in a robust, chemically resistant PPS body. Its triple junction reference cell of varying electrolytes and configurations constitutes an unpenetrable barrier that protects the reference half-cell. This design permits extended periods of pH measurements in the presence of sulfides or other silver complexing ions.

- ✓ Chemical Resistant Body
- ✓ Extended pH Measurement
- ✓ Steam Sterilization
- ✓ Triple Junction

Applications

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

Specifications

pH Range: 0 to 14
Temperature Range: -5 to 135°C (25 to 275°F)
Pressure: 500 psig @ 25°C (77°F)
Accuracy: ±0.1% over full range
Insertion Length: 135 mm (5.3")
Reference Cell: Triple-junction, KCl/AgCl, 3M KCl
Reference Junction: Porous PTFE
Wetted Materials: PPS, PTFE, glass
Drift: Less than 2 mV per week



PHE-5433-10 pH electrode shown with PHCN-371A-ORP pH monitor/recorder. Visit omega.com/phcn370

To Order

Model No.	Description
PHE-5433-10-(*)	Ultimate triple junction pH electrode

* Specify ATC Sensor: "-PT100" for 100 Ω platinum RTD or "-PT1K" for 1000 Ω platinum RTD.

To order with high pH glass, add suffix "-HPH" to model number, for additional cost.

Note: PHEH-51PG (25 mm port gland) fitting is required for first-time installation.

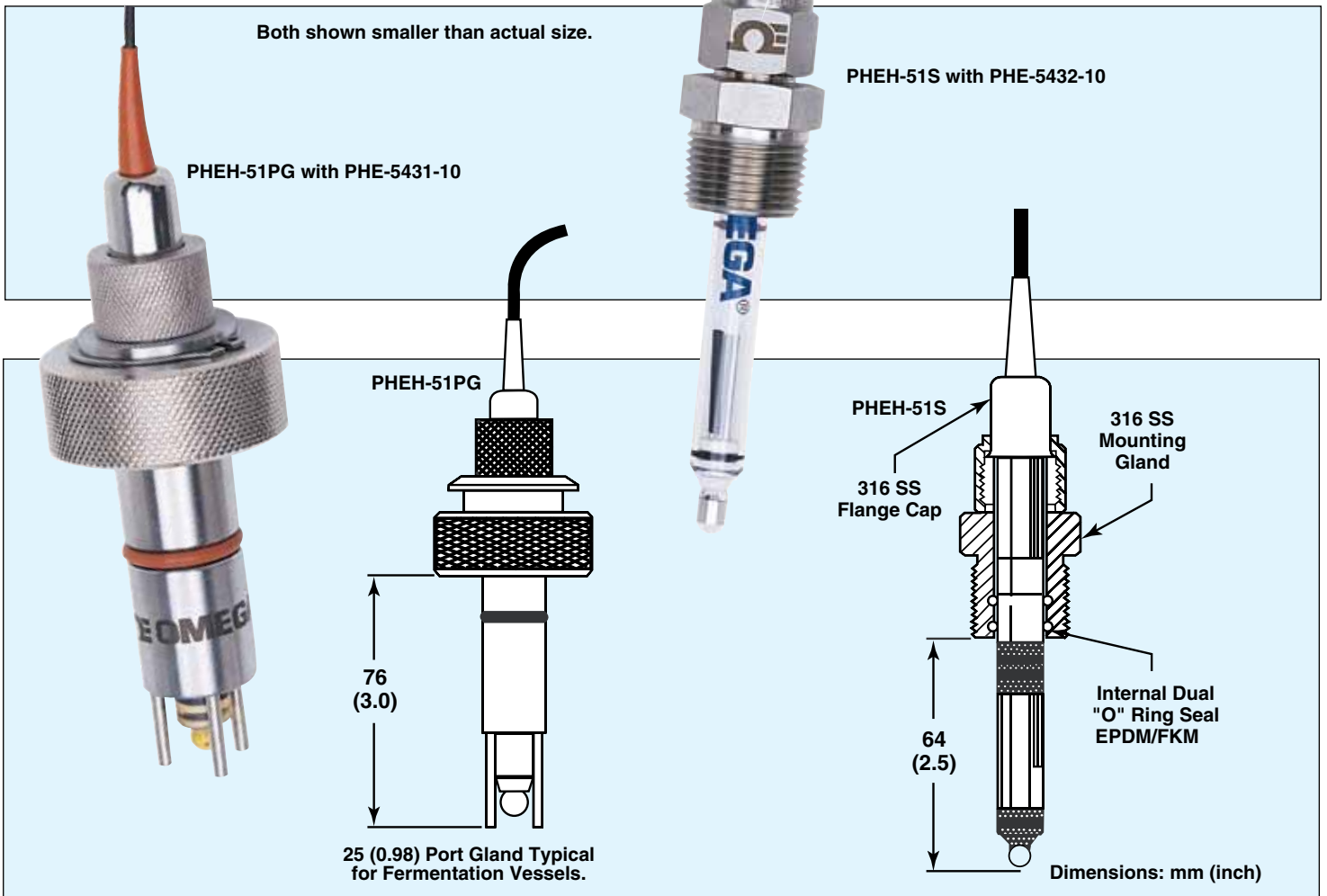
Comes complete operator's manual.

Ordering Example: PHE-5433-10-PT100, ultimate triple-junction pH electrode, and PHEH-51PG (25 mm port gland).



Installation Guide

Fittings for 12 mm Electrodes to Facilitate Universal Installations



Fittings Selection Guide

Model No.	Description
PHEH-51	1/2 MNPT, 316 SS
PHEH-51S	3/4 MNPT, 316 SS
PHEH-52	1 MNPT, 316 SS
PHEH-51PG	25 mm port gland, 316 SS