

SOTA Laboratory pH Electrode

Features

- Rugged Polymer Body
- Non-fouling Porous¹ Teflon[®] Liquid Junction
- Optional Double Junction Reference Cell
- Optional Pt 100 Temperature Compensator
- Available as Platinum ORP Electrode
- Removable Protective Guard to Facilitate Cleaning
- **New** TOP68 Quick Disconnect Cable Connector.

Applications

- General Laboratory Use
- Research
- Field Use

Description

The SOTA Laboratory combination pH electrodes feature a molded polymer body with a removable bulb protector to facilitate cleaning. The electrode features the patented porous Teflon[®] liquid junction, gel filled reference cell with controlled release KCl rings to maintain a stable reference cell potential.

The optional TOP68 quick disconnect cable system provides ease of use and the reliability of fixed cable. The TOP68 has an IP68 environmental rating, which means it's water tight and corrosion resistant, making the electrode suitable for extended measurement in damp, humid or wet conditions.

Specifications

Body Material	12mm Polymer Body
Measuring Range	0 to 14 pH
Temperature Range	-5 to 100°C (23 to 212° F) -5 to 80°C (23 to 176°F) Calomel Reference
Drift	< 2.0 mV/week
Response Time @ 25°C (77°F)	95% of reading in 5 seconds
Asymmetry Potential	7.0 pH ± 0.2 pH
Theoretical Slope	±59.16 mV / pH unit @ 25°C (77°F)
Sodium Error	< 0.05 pH in 0.1 Molar Na ⁺ Ion @ 12.8 pH
pH Glass Bulb Impedance @ 25°C (77°F)	60 Megohms



¹ United States Patent No. 4,128,468

^R Teflon and Viton are Registered Trademarks of E.I. DuPont de Nemours Company



INNOVATIVE SENSORS INC.
REGISTERED TO ISO 9001
CERTIFICATE NO. 00-1011



SOTA Laboratory pH Electrode

Ordering Information

The SOTA Combination pH or ORP electrode comes standard with 3 feet of fixed cable with BNC connector.

Model	Description
SOTA	Combination pH Electrode
SOTA – ORP	Combination ORP Electrode
Options	Description
T68	TOP68 Quick Disconnect
CAL	Calomel Reference Cell
DJ	Double Junction Reference Cell
PT100	Temperature Compensation
RC	Removable Cable
RF	Refillable Reference Cell
SOTA-PT100	Order Number Example

TOP68 Cables

Z7062	Coax Cable, 4.5M (15 ft.)
Z7063	Coax Cable, 9.1M (30 ft.)
Z7064	Multi Conductor Cable for TC, 4.5M (15 ft.)
Z7065	Multi Conductor Cable for TC, 9.1M (30 ft.)

RC Cables

Part Number	Description
Z7010	Coax Cable, 1M (3 ft.), BNC
Z7055	Coax Cable, 3M (10 ft.), BNC



TOP 68
Quick Disconnect