

# ORION Model 250A

## Enhanced pH/mV/ORP/Temperature Portable Meter

- Three Point Autocalibration with Choice of 3 Buffers
- Selectable pH Resolution 0.01/0.1
- RS232 Communication

The Model 250A is a multi-purpose pH meter for one-handed, field operation, featuring built-in electrode storage sleeve with cable management. Calibration is fast, easy and accurate using two-step autocalibration (built-in Auto-Buffer-Recognition of three buffers) and automatically calculated and displayed electrode slope value. The mV mode allows quick and easy ORP measurements. Meter provides choice of speed or accuracy with selectable resolution and simultaneous display of both pH and temperature.

The Model 250A features RS232 communication for connection to the optional Orion **Model 900A Printer** or computer.



### Specifications:

#### pH

Range: -2.00 to 19.99

Resolution: 0.01/0.1 pH

Relative Accuracy: +/-0.02

Slope: 80 to 120%

Auto-Buffer Recognition: 4.01, 7.00, 10.01

#### Temperature

Range: -5.0 to 105.0 C

Resolution: 0.1 C

Relative Accuracy: +/- 1.0 C

#### Millivolts

Range: +/- 1600.0 mV

Resolution: 0.1 mV

Relative Accuracy: +/- 0.2 mV or +/- 0.05% of reading, whichever is greater

#### Relative Millivolts

Range: +/- 1999.9 mV

Resolution: 0.1 mV  
Relative Accuracy: +/- 0.2 mV or +/- 0.05% of reading, whichever is greater

**Display**  
Custom LCD

**Inputs**  
One BNC, one pin tip, ATC, power

**Outputs**  
RS232C

**Power Requirements**  
One 9 volt alkaline or lithium battery, or line adapter for 110 V, 220 V or 240 V

**Agency Approvals**  
CE, CSA, UL

**Environmental Requirements**  
5 to 45 C and 5 to 85% relative humidity, non-condensing

**Meter Dimensions**  
3.25 x 7.6 x 1.9 inches (w, l, d)

**Case**  
Dust and splash resistant, chemical resistant

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## **ORDERING INFORMATION**

### **Orion Catalog No. and Description**

**0250A0** Model 250A Portable pH Meter. Includes ORION 9107BN Triode™ 3-in-1 Combination pH non-refillable electrode, replaceable 9 volt battery, and instruction manual.

**0250A2** Model 250A Portable pH Meter. Includes replaceable 9 volt battery, and instruction manual only (no other accessories).

**0250A3** Model 250A Portable pH Meter. Includes Portable Meter Start-up Kit (ORION 0PBLSK), ORION 9107BN Triode 3-in-1 Combination pH non-refillable electrode, replaceable 9 volt battery, and instruction manual.