

Orion Conductivity Meter Orion 125A+

- Enhanced
- Portable
- Conductivity
- TDS
- Salinity
- Temperature



- Advanced DuraProbe™ 4-electrode Cell Technology or Conventional Cell Technology
- Meets USP Requirements with Conventional Cell Technology
- Features Exclusive AutoCal™ and Direct Cal™ Features for Cell Constant Determination

The Orion 125A+ Conductivity Meter's advanced DuraProbe 4-electrode cell technology allows measurements to be virtually error-free. The meter's enhanced features and rugged construction make it an ideal choice for plant or field. Features include autoranging; selectable temperature compensation; variable temperature coefficient or a non-linear temperature compensation function for natural waters (nLF); total dissolved solids (TDS) and salinity modes; and both AutoCal and DirectCal features which simplify cell constant determination. Log up to 50 data points and read them back to an optional 900A printer or computer. The Orion 125A+ comes complete with a 013010D DuraProbe with integral temperature sensor. Meter

Warranty is three years. USP packages are available.

Specifications

Conductivity	
Ranges, ps/cm	0 to 199,990 in 4 Ranges
Resolution, ps/cm	0.1
Relative Accuracy (3)	0.5% FS within each range, ±0.1 µS/cm in lowest range
Salinity	
Ranges	0.0 to 80.0 ppt
Resolution	0.1
Relative Accuracy (3)	0.5% FS
TDS	
Range	0 to 19,990 mg/L
Resolution	3 significant digits or 1 mg/L
Relative Accuracy (3)	±0.5%
Temperature	
Range	-5.0 to 105.0 °C
Compensation	Linear, nLF
Reference Temperature	25 or 20°C
Accuracy (3)	±1°C
Coefficient	0.0 to 3.0%/°C nLF (Natural Waters)
Display	
LCD	
Inputs	
8 Pin DIN	
Outputs	
RS232	
Cell Constant cm¹	
0.07 to 14.99	
Standard Cell	
013010D	
Data Logging (Points)	
50	
Print Capability	
Yes	
Power Requirements	
9 V Battery, AC Line, 110, 220, or 240 V	
Agency Approvals	
CE, CSA, UL	
Environmental Requirements	
5 to 40 °C, 5 to 85% RH, non-condensing	
Waterproof Rating	
IP54	

Ordering Information

ITEM	DESCRIPTION
012500	Meter with DuraProbe 4-Electrode Cell