

Orion Portable Conductivity/ Salinity/Temperature Meter Orion 105A+

- Simple Operation
- Autoranging
- Automatic Temperature Compensation

The Orion 105A+ Conductivity Meter is a rugged, affordable meter ideal for measurements in the plant or field. The Orion 105A+ offers the user features such as autoranging, salinity mode, temperature compensation with a fixed temperature coefficient of 2.1%/°C, simultaneous display of temperature and conductivity or salinity; all in a splash resistant case. The Orion 105A+ comes complete with an epoxy cell with integral temperature sensor. Meter warranty is three years.

Orion Portable Conductivity/TDS/Salinity/ Temperature Meter Orion 115A+

- Meets USP Requirements
- Exclusive DirectCal Feature for Cell Constant Determination
- RS232 and 25 Point Datalogging

The Orion 115A+ Conductivity Meter offers many features in a rugged, compact package designed for one hand operation. The meter simplifies conductivity measurement by offering the operator autoranging; selectable temperature compensation; adjustable temperature coefficient; total dissolved solids and salinity modes and the DirectCal feature which simplifies cell constant determination. Log up to 25 data points and read them back to an optional 900A printer or computer. The Orion 115A+ comes complete with a graphite cell with integral temperature sensor. Meter warranty is three years. USP packages are available.



Specifications

	105A+	115A+
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	0.5% 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	Fixed	Linear
Reference Temperature	25 or 20°C	
Accuracy (3)	±1°C	
Coefficient	0.0 or 2.1%/°C	0.0 or 2.5%/°C
Display	LCD	
Inputs	8 Pin DIN	
Outputs	--	RS232
Cell Constant cm1	0.07 to 14.99	
Standard Cell	011510	
Data Logging (Points)	--	25
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
010500	Meter with 2-electrode cell
011500	Meter with 2-electrode cell