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Orion portable conductivity meters are designed for convenience and ease-of-use. A complete line of Orion accessories and standards for conductivity and TDS are available.

## Orion 115Aplus

Cond/TDS/Salinity/Temp



### Basic Portable Cond/TDS/Salinity/Temperature Meter Orion 115Aplus

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

The Orion 115Aplus 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 Orion 900A printer or computer. The Orion 115Aplus comes complete with an Orion 011510 graphite cell with integral temperature sensor. USP packages are available. Three year limited warranty.

# Orion 115Aplus

## Orion 115Aplus Specifications

		Specification	Benefit
<b>Conductivity</b>	Range, $\mu\text{S}/\text{cm}$	0 to 199,900 in 4 Ranges	Measurement range for any sample
	Resolution, $\mu\text{S}/\text{cm}$	0.1	
	Relative Accuracy*	0.5% FS within each range, $\pm 0.1$ each range $\mu\text{S}/\text{cm}$ in lowest range	
<b>Salinity</b>	Range	0.0 to 80.0 ppt	
	Resolution	0.1	
	Relative Accuracy*	0.5% FS	
<b>TDS</b>	Range	0 to 19,900 mg/L	
	Resolution	3 significant digits or 1 mg/L	
	Relative Accuracy*	$\pm 0.5\%$	
<b>Temperature</b>	Range	- 5.0 to 105.0 °C	
	Compensation	Linear	User selectable
	Reference Temperature	25 or 20 °C	
	Accuracy*	$\pm 1$ °C	
	Coefficient	0.0 to 2.5% °C	Adjustable for varying sample conditions
<b>Display</b>		LCD	Easy to read
<b>Inputs</b>		8 pin DIN	Secure connection
<b>Outputs</b>		RS232	Interface to printer or computer
<b>Cell Constant <math>\text{cm}^{-1}</math></b>		0.07 to 14.99	
<b>Standard Cell</b>		011050MD	
<b>Data Logging (Points)</b>		25	Great for field use
<b>Power Requirements</b>		9 V Battery, AC Line, 110, 220, or 240 V	
<b>Agency Approvals</b>		CE, CSA, UL	Worldwide operation
<b>Environmental Requirements</b>		5 to 85% RH, Non-Condensing	
<b>Waterproof Rating</b>		IP54	Splash proof, dust proof

\* System accuracy depends on all choice and measurement conditions.

Above data generated under optimal/controlled circumstances.

## Orion 115Aplus Ordering Information

Package Includes	Cat. No. for Complete Meter Package	Cell Cat. No.
Meter, Battery and cell	011500 with Orion conductivity cell	011050MD conductivity cell
Meter Only	011502	
USP Packages**	0115US (110 V), 0115U2 (220 V)	013016D conductivity cell

\*\* USP package includes meter, stainless steel conductivity cell, calibration kit and conductivity standard.

## All Meters and Meter Kits must be purchased with a Plug/Wall adapter at the proper voltage

Adapter		Cat. No.
Plug/Wall adapter, 110 V	Order separately	020125
Plug/Wall adapter, 220 V	Order separately	020130
Plug/Wall adapter, 240 V	Order separately	020135