

## Orion® 4-Star Portable pH / Dissolved Oxygen Meter

### Highly Advanced *Waterproof* Series

3 Year Warranty

Item Number: 1216000

- Easy user friendly 3-button function
- Automatic barometric pressure compensation
- Stores up to 10 methods with password protection



This waterproof, battery-operated Orion pH / Dissolved Oxygen meter stands up to the most demanding water analysis applications and delivers over 2,000 hours of continuous operation. Convenient Quick-Start Guide is located on the back of the meter. The rugged Orion meter displays Dissolved Oxygen concentration or percent Dissolved Oxygen Saturation and offers a full complement of GLP-related features – including available 21 CFR Part 11 software option. It offers enhanced stability indicators, salinity correction and automatic barometric pressure compensation – as well an auto-read/hold function, SMART STABILITY™ and SMART AVERAGING™. A unique feature allows meter and probe calibration to a Winkler Titration for those needing to correlate measurements to Biological Oxygen Demand (BOD) readings to Winkler methods. You can record and store up to 10 setup parameters and calibrations – a valuable feature for multi-user labs. Download additional methods and software updates via the Web.

#### Additional features

- Uses polarographic Dissolved Oxygen probe
- IP67 waterproof (may be immersed for up to one hour with no water incursion)
- Waterproof BNC pH electrode and waterproof mini DIN locking Dissolved Oxygen probe connectors
- Automatic or manual pH calibration with 1 to 5 points and recognizes NIST, US and manual buffers
- Self-diagnostics; GLP IQ/OQ included
- 200 point datalogger which is downloadable to printer or computer via RS232 connection
- CE, CSA, UL, TÜV and FCC Class A limits approved

#### Specification

<b>pH</b>	<b>Range:</b>	-2.000 to 19.999 or 0 to 14 in aqueous solutions
	<b>Resolution:</b>	0.1/0.01/0.001
	<b>Relative accuracy:</b>	+/- 0.002
<b>Dissolved Oxygen</b>	<b>Concentration:</b>	0.00 to 90.00 mg/L
	<b>Relative accuracy:</b>	0.2 mg/L
	<b>% Saturation:</b>	0.0 to 600
	<b>Salinity factor:</b>	0 to 45 ppt
	<b>Barometric pressure:</b>	450-850 mm Hg
	<b>Temperature:</b>	-5 to 105°C
<b>Communication:</b>	Waterproof bi-directional RS232 – Stereo jack, optional USB interface cable	
<b>Power:</b>	4xAA batteries, powerless data protection	
<b>Operating Temperature:</b>	5 to 45 °C	

#### Application Kits

Complete application kits including the Orion meter, electrode, standards, solutions and accessories are available for your convenience

Applications	Item Number
pH / Dissolved Oxygen in General Application	1216001
Dissolved Oxygen in Salt Water	1010116

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