

The Thermo Scientific Orion 3-Star Plus dissolved oxygen meters ensure proper oxygen levels for maximum growth.

Thermo Scientific Orion 3-Star Plus

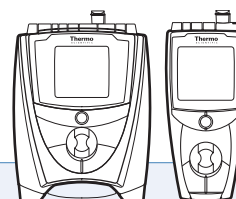
Dissolved Oxygen Meters



Features and Benefits

- Simultaneous display of dissolved oxygen and temperature measurements on the backlit LCD
- The Thermo Scientific Orion SMART STABILITY™ and SMART AVERAGING™ functions for automatically optimized accuracy, precision and response time
- Separate dissolved oxygen membrane and solution temperature displays and calibrations
- Salinity correction and built-in automatic barometric pressure compensation for dissolved oxygen measurements
- Dissolved oxygen calibration to the Winkler Titration for BOD analysis
- Storage of up to 10 individually password-protected methods for easy retrieval of operation procedures
- Dissolved oxygen slope on printout
- Datalog up to 1000 points with time and date stamp
- RS232 port for easy data downloads and communication
- Portable units are waterproof with an IP67-rated housing and run for over 2,000 hours on four AA batteries
- Benchtop units can control an autosampler and the 096010 stirrer probe (*each sold separately*)
- Benchtop units are splashproof with an IP54-rated housing and include a universal power supply
- 3 year meter warranty

Thermo Scientific Orion 3-Star Plus Dissolved Oxygen Meters



DO	Concentration Range	0.00 to 90.0 mg/L
	Resolution	0.01, 0.1 mg/L
	Relative Accuracy	± 0.2 mg/L
	% Saturation Range	0.0 to 600 %
	Resolution	0.1, 1 %
	Relative Accuracy	± 2 %
	Barometric Pressure Correction	450 to 850 mm Hg, Automatic or Manual
Calibration Features	Water Saturated Air, Air Saturated Water, Manual (Winkler), and Zero Point	
Probe Type	Polarographic	
Temperature	Range	- 5 to 105 °C
	Resolution	0.1 up to 99.9 °C, 1.0 over 99.9 °C
	Relative Accuracy	± 0.1 °C

Meters Only		
Cat. No.	Package	
1113000	Includes benchtop meter, universal power and user guide	
1213000	Includes portable meter, batteries and user guide	
Benchtop Meter Kits		
Cat. No. / Application	Sensor (s)	Accessories and Solutions
1113001 / Fresh Water Wastewater	• 081010MD DO probe with 3 meter cable	<ul style="list-style-type: none"> • DO calibration sleeve • BOD funnel / stirrer - 970802 • BOD adapter - 080160 • DO probe maintenance kit - 080113 • Swing arm electrode stand
1010114 / Wastewater BOD	• 086030MD AUTO-STIR DO/BOD probe with calibration sleeve	<ul style="list-style-type: none"> • Polarographic electrolyte solution • Method Note - BOD of Wastewater
Portable Meter Kits		
Cat. No. / Application	Sensor (s)	Accessories and Solutions
1213101 / Fresh Water Wastewater	• 083010MD DO probe with 3 meter cable and calibration sleeve	<ul style="list-style-type: none"> • DO probe maintenance kit - 080513
1213001 / Fresh Water Wastewater	• 083010MD DO probe with 3 meter cable and calibration sleeve	<ul style="list-style-type: none"> • DO probe maintenance kit - 080513 • Hard field case
1213501 / Fresh Water Wastewater	• 083010MD DO probe with 3 meter cable and calibration sleeve	<ul style="list-style-type: none"> • DO probe maintenance kit - 080513 • Soft field case
1010121 / Fresh Water	• 083010MD DO probe with 3 meter cable and calibration sleeve	<ul style="list-style-type: none"> • Electrode storage chamber • Polarographic electrolyte solution • Hard field case • Method Note - DO in Freshwater
1010138 / WINE	• 083010MD DO probe with 3 meter cable and calibration sleeve	<ul style="list-style-type: none"> • Electrode storage chamber • Polarographic electrolyte solution • Hard field case • Method Note - DO in Wine and Beer

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