Measure dissolved oxygen levels without the hassle of membrane replacement

## **Thermo Scientific Orion**

3-Star RDO® Portable Meter and Sensor





# Portable Optical RDO (Rugged Dissolved Oxygen) System

- Uses optical DO technology
- No membranes to change once-a-year cap replacement
- Calibrate for dissolved oxygen using water-saturated air, air-saturated water, zero point or a custom point with Winkler titration
- Built-in barometer for automatic pressure correction with option for manual input
- Temperature calibration capability
- Data storage for 1000 data sets with time and date stamping

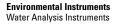
- RS232 port for easy data downloading and software updates
- IP67-rated meter housing and backlit display
- IP68-rated RDO sensor
- Four AA batteries provide over 1000 hours of operation in AUTO-READ™ mode
- 3-year warranty on meter and RDO sensor body
- 1-year warranty on optical cap

## **Thermo Scientific Orion 3-Star RDO Portable Meter**

ns	
Concentration Range	0.00 to 20.0 mg/L
Resolution	0.01, 0.1 mg/L
Relative Accuracy	±0.1 mg/L up to 8 mg/L; ±0.2 mg/L from 8 to 20 mg/L
% Saturation Range	0.0 to 200%
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
Sensor Type	RDO optical
Range	0 to 50 °C
Resolution	0.1 °C
Relative Accuracy	± 0.3 °C
	Concentration Range Resolution Relative Accuracy % Saturation Range Resolution Relative Accuracy Barometric Pressure Correction Calibration Features  Sensor Type Range Resolution Relative

Portable Me	otor Only
	<u> </u>
1213300	3-Star RDO® portable meter only
Portable Me	eter Kits
Cat. No.	Description
1213301	3-Star RDO portable meter, RDO sensor with 3 meter cable, stainless steel RDO sensor guard, optical cap, calibration sleeve, batteries and user guide
1213302	3-Star RDO portable meter, RDO sensor with 6 meter cable, stainless steel RDO sensor guard, optical cap, calibration sleeve, carrying case, batteries and user guide
Accessories	S
Cat. No.	Description
087001	Replacement optical cap
087010MD	RDO optical sensor with 3 meter cable, stainless steel guard, calibration sleeve and optical cap
087020MD	RDO optical sensor with 6 meter cable, stainless steel guard, calibration sleeve and optical cap
087030MD	RDO optical sensor with 10 meter cable, stainless steel guard, calibration sleeve and optical cap
087050MD	RDO optical sensor with 15 meter cable, stainless steel guard, calibration sleeve and optical cap
087100MD	RDO optical sensor with 30 meter cable, stainless steel guard, calibration sleeve and optical cap
087002	Replacement stainless steel RDO optical sensor guard
087003	Calibration sleeve for RDO optical sensor

©2008 Thermo Fisher Scientific Inc. All rights reserved. RDO is a registered trademark of In-Situ®, Inc., Fort Collins, CO USA. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.



**North America** 

Int'l Fax: 978-232-6031

### Europe

P.O. Box 254, 3860 AG Nijkerk Wallerstraat 125K, 3862 BN Nijkerk, Netherlands Tel: (31) 033-2463887 Fax: (31) 033-2460832

### **Asia Pacific**

Blk 55, Ayer Rajah Crescent #04-16/24, Singapore 139949 Tel: 65-6778-6876 Fax: 65-6773-0836



S-3STRDOPT-E 1108 RevA

