

Star Series Specifications



Orion 3-Star Dissolved Oxygen

Portable Meter (Cat. No. 1213000)
Portable Meter Kit (Cat. No. 1213001)

- Durable, waterproof, IP67 meter stands up to the most demanding field applications while delivering over 2,000 hours of continuous operation.
- Ergonomic design for comfortable handling
- Salinity correction and automatic barometric pressure compensation
- SMART STABILITY™ and SMART AVERAGING™ functions for automatically optimized accuracy, precision and response time
- Storage of up to 10 password protected methods for easy retrieval of operation procedures
- Simultaneous display of DO and temperature measurements

Environmental Instruments Water Analysis Instruments

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S-3S1213000E 02/05 RevB

Specifications

DO

Range / Resolution Concentration	0.00 to 90.0 mg/L / 0.0/0.00
Range / Resolution % Saturation	0.0 to 600% / 0/0.0
Relative Accuracy Concentration / % Saturation	± 0.5% ±1 digit
SMART STABILITY™ and SMART AVERAGING™	Resolution dependent / automatic
Auto Calibration or Manual Input	Water Saturated Air and Air Saturated Water, Winkler
Calibration to Winkler Titration for BOD	Optional
Salinity Factor	0 to 45 ppt
Barometric Pressure Range	450 to 850 mm Hg
Probe Type	Polarographic

Temperature

Range / Resolution	-5 to 105 °C / 0.1 up to 99.9 °C, 1.0 over 99.9 °C
Relative Accuracy	± 0.1 °C
Temperature Compensation	Auto

Display

Custom backlit LCD, for easy viewing

Inputs/Outputs

Sensor Inputs	DO-miniDIN - Locking; ATC-miniDIN-Locking (all waterproof)
Communications	Waterproof bi-directional RS232 - Stereo jack, optional USB interface Cable

Special GLP Software Features

# Of Data Logging Points	200 points by time, stability or manual read with time/date stamp
Calibration Log	Last 10 Calibrations
User Method Storage	10 Saved
Advanced Self-test and Diagnostics	YES
Password Protection	YES
Internet Software Updates / Downloadable Methods	YES

Power

4 x AA batteries, powerless date protection

Regulatory and Safety

CE, CSA, UL, TÜV, FCC Class A limits

Environmental Operating Conditions

Ambient Operating Temperature	5 to 45 °C
Relative Humidity	5 to 85% Non-Condensing
IP Rating	IP67, waterproof and dustproof

Warranty

36 months (from date of purchase)

Above data generated under optimal/controlled circumstances.

DO Portable Meter Kit (1213001) Includes:

Cat. No.	Description
1213000	3-Star Dissolved Oxygen portable meter
083010F	Field probe 830A
080513	DO probe maintenance kit
080017	DO cal sleeve, A series probe
1210004	Hard field case

Analyze • Detect • Measure • Control™

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