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Star Series Specifications



Orion 3-Star Dissolved Oxygen

Benchtop Meter (Cat. No. 1113000)
Benchtop Meter Kit (Cat. No. 1113001)

- Enhanced stability indicators, 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
- Dissolved oxygen calibration to the Winkler Titration for BOD
- Stirrer & AUTO-STIR™ probe control
- Simultaneous display of DO and temperature measurements

Environmental Instruments
Water Analysis Instruments

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; Stirrer-Phono-jack
Communications	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	Universal power adapter and battery power 4 x AA batteries
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	IP54, splashproof and dustproof
Warranty	36 months (from date of purchase)

Above data generated under optimal/controlled circumstances.

DO Benchtop Meter Kit (1113001) Includes:	
Cat. No.	Description
1113000	3-Star Dissolved Oxygen benchtop meter
081010MD	DO probe 3m cable
970802	Overflow funnel w/stir box
080113	Probe service kit
080017	DO cal sleeve, A series probes
1110001	Electrode stand