



Thermo Scientific Orion Star A123

Dissolved Oxygen Portable Meter

Thermo Scientific Orion Star A123 Dissolved Oxygen Portable Meters combine simplicity with accuracy. A large LCD displays dissolved oxygen readings along with temperature. Icons provide quick updates on battery life and completed calibration status. Simple button layout and onscreen messages help with calibration and setup menu choices.

Features and Benefits

- Large, informative screen clearly shows the main information, including DO reading in mg/L or % saturation, temperature in °C or °F, meter mode and battery life
- Automatic temperature, manual salinity input and manual barometric pressure compensation for an accurate result
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when readings are stable
- Two calibration options to meet your procedural requirements: water-saturated air method or a Winkler titration
- Accepts Thermo Scientific Orion polarographic dissolved oxygen probes
- Non-volatile memory holds up to 50 data points
- Four AA batteries (included) provide over 2000 hours of operation or purchase the universal power adapter (sold separately) to run meter on AC power
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 3 year meter replacement warranty



- pH
- ISE
- ORP
- Cond
- RDO
- DO
- Temp

Product Specifications

		CE TUV FCC
Dissolved Oxygen	Concentration	
	Range	0 to 20 mg/L
	Resolution	0.01, 0.1
	Relative Accuracy	±0.2
	% Saturation	
	Range	0 to 200
	Resolution	0.1, 1
	Relative Accuracy	±2 %
	Manual Barometric Pressure Correction	450.0 to 850.0 mm Hg
	Manual Salinity Factor Correction	0 to 45
Calibration Features	Water-saturated air, manual (Winkler)	
Sensor Type	Polarographic	
Temperature	Range	0 to 50 °C, 32 to 122 °F
	Resolution	0.1
	Relative Accuracy	±0.1
	Offset Calibration	Yes
Datalogging	Number of Datalogs	50
	Log Function	Manual, Automatic with AUTO-READ™
Inputs	DO with Temperature Probe	9-pin mini-DIN
Power	Power Cord	Optional – universal, 100-240 VAC
	Battery Power	Included – 4 AAs
	Battery Life	2000 hrs

Meter Ordering Information

Cat. No.	Description
STARA1230	Orion Star A123 Dissolved Oxygen Portable Meter - Four AA batteries (installed)
STARA1235	Orion Star A123 Dissolved Oxygen Portable Meter Kit - 083005MD Orion polarographic DO probe - 080017 calibration sleeve for DO probe - 080513 DO probe maintenance kit - Protective armor with electrode holder - Hard carrying case - Four AA batteries (installed)

Accessories

Cat. No.	Description
STARA-CS	Hard carrying case for Orion Star A-series portable meters
STARA-AR	Armor for Orion Star A-series portable meters, includes electrode holders for pH, conductivity and DO probes
STARA-ESCD	Conductivity and DO probe holder for Orion Star A-series armor
STARA-ESPH	pH electrode holder for Orion Star A-series armor
083005MD	Orion polarographic DO probe, 1.5 m cable
080513	Orion polarographic DO probe maintenance kit
080017	Calibration sleeve for Orion polarographic DO probes
1010003	Optional universal power adapter, 100-240 V, 50/60 Hz