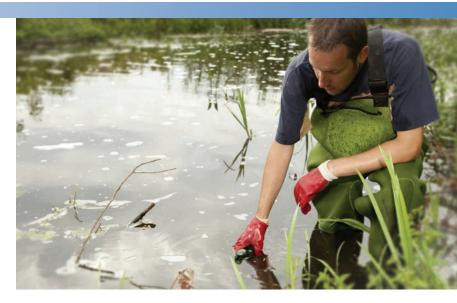
# Thermo Scientific Orion Star A123

Basic dissolved oxygen portable meter

Thermo Scientific<sup>™</sup> Orion<sup>™</sup> Star A123 Dissolved Oxygen Portable Meters make it easy and affordable to take simple, accurate dissolved oxygen measurements.





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 reading stability. 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 accurate DO results
- Don't miss a reading—AUTO-READ<sup>™</sup> locks in the stable reading on your screen and ready indicator alerts when continuous readings are stable

- Two calibration options to meet your procedural requirements: water-saturated air method or custom value using 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)
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 3 year meter replacement warranty



## Thermo Scientific Orion Star A123 Dissolved Oxygen Portable Meter

Dissolved Oxygen Portable Meter		Part No.	Description
Specifications		STARA1230	Orion Star A123 Dissolved Oxygen Portable Meter
Dissolved Oxygen	Concentration Range: 0 to 20 mg/L Resolution: 0.01, 0.1 mg/L Relative Accuracy: ±0.2 mg/L % Saturation Range: 0 to 200 % saturation Resolution: 0.1, 1 % saturation Relative Accuracy: ±2 % saturation 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		<ul> <li>Four AA batteries (installed)</li> <li>Printed quick start guide and literature CD</li> </ul>
		STARA1235	Orion Star A123 Dissolved Oxygen Portable Meter Standard Kit - 083005MD Orion polarographic DO probe (1.5 m cable) with calibration sleeve - 080513 DO probe maintenance kit - Protective meter armor with electrode holder - Hard-sided field case - Four AA batteries (installed), literature and test certificate
		STARA1236	Orion Star A123 Dissolved Oxygen Portable Meter 3 m Cable Kit - 083010MD Orion polarographic DO probe (3 m cable) with calibration sleeve
Temperature	Range: 0 to 50 °C, 32 to 122 °F Resolution: 0.1 °C, 0.1 °F Relative Accuracy: ±0.1 °C, ±0.1 °F Temperature Offset Calibration: Yes		<ul> <li>- 080513 DO probe maintenance kit</li> <li>- Protective meter armor with electrode holder</li> <li>- Hard-sided field case</li> <li>- Four AA batteries (installed), literature and</li> </ul>
Datalogging	Number of Points: 50 Log Function: Manual, Automatic		test certificate
Inputs	with AUTO-READ <b>D0 Probe with Built-in Temperature:</b>	Ad	ccessories Ordering Information
	9-pin mini-DIN	Part No.	Description
Power	AC Adapter: Optional—universal, 100-240 VAC Battery Power: Included—4 AAs Battery Life: 2000 hrs	STARA-CS	Orion Star A series portable meter hard-sided field case
		1210005	Orion Star A series portable meter soft-sided field case
		STARA-AR	Orion Star A series portable meter armor with pH electrode holder, conductivity and DO probe holder, stand and adjustable hand-strap
		STARA-ESCD	Orion conductivity and DO probe holder for portable Star A series meter armor
		083005MD	Orion polarographic DO probe, 1.5 m cable

083010MD

1010003Universal power adapter, 100-240 V, 50/60 HzFor more information, contact your local Thermo Scientific products dealer<br/>or call our customer and technical service experts at 1-800-225-1480<br/>(for the US and Canada) or visit www.thermoscientific.com/water.

Orion polarographic DO probe, 3 m cable

**Meter Ordering Information** 



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