

Thermo Scientific Orion Star A123

Basic dissolved oxygen portable meter

Thermo Scientific™ Orion™ 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™ 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



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**Thermo Scientific Orion Star A123
Dissolved Oxygen Portable Meter**

Specifications	
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
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
Datalogging	Number of Points: 50 Log Function: Manual, Automatic with AUTO-READ
Inputs	DO Probe with Built-in Temperature: 9-pin mini-DIN
Power	AC Adapter: Optional—universal, 100-240 VAC Battery Power: Included—4 AAs Battery Life: 2000 hrs

Meter Ordering Information	
Part No.	Description
STARA1230	Orion Star A123 Dissolved Oxygen Portable Meter - Four AA batteries (installed) - Printed quick start guide and literature CD
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 - 080513 DO probe maintenance kit - Protective meter armor with electrode holder - Hard-sided field case - Four AA batteries (installed), literature and test certificate

Accessories Ordering Information	
Part No.	Description
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	Orion polarographic DO probe, 3 m cable
1010003	Universal power adapter, 100-240 V, 50/60 Hz

For more information, contact your local Thermo Scientific products dealer or call our customer and technical service experts at 1-800-225-1480 (for the US and Canada) or visit www.thermoscientific.com/water.



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Water and Lab Products

North America
 Toll Free: 1-800-225-1480
 Tel: 1-978-232-6000
info.water@thermofisher.com

Germany
 Tel: (49) 6184-90-6000
info.water.uk@thermofisher.com

India
 Tel: (91) 22-4157-8800
wai.asia@thermofisher.com

Japan
 Tel: (81) 045-453-9175
wai.asia@thermofisher.com

China
 Tel: (86) 21-68654588
wai.asia@thermofisher.com

Singapore
 Tel: (65) 6778-6876
wai.asia@thermofisher.com

Australia
 Tel: (613) 9757-4300
 In Australia: (1300) 735-295
InfoWaterAU@thermofisher.com

S-STARA123-E 0216 RevC

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