Thermo Scientific Orion Star A122

Basic conductivity portable meter

Thermo Scientific™ Orion™ Star A122 Conductivity Portable Meters make it easy and affordable to take simple, accurate conductivity measurements.

Thermo Scientific Orion Star A122 Conductivity Portable Meters combine simplicity with accuracy. A large LCD displays conductivity or TDS 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 conductivity or TDS reading, temperature in °C or °F, meter mode and battery life
- Don't miss a reading—AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when continuous readings are stable
- Automatic or manual conductivity calibration
- Auto-ranging conductivity measurements for high accuracy across all conductivity ranges
- Selectable reference temperatures of 20 °C or 25 °C for temperature compensated conductivity readings
- 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 A122 Conductivity Portable Meter

Specifications

Conductivity	**Range:** 0.01 µS/cm to 200.0 mS/cm **Resolution:** 0.01 µS minimum, auto ranging, up to 3 significant digits **Relative Accuracy:** 0.5 % reading ±1 digit **Reference Temperature:** 20, 25 ºC **Temperature Compensation:** Linear (0.0 to 10.0 %/ºC) **Compatible Cell Constants:** 0.001 to 10 **Number of Calibration Points:** 1
TDS	**Range:** 0 to 19999 mg/L **Resolution:** 1 mg/L **Relative Accuracy:** 0.5 % reading ±1 digit **TDS Factor Range:** Linear 0.01 to 10.00
Temperature	**Range:** -5 to 105 ºC, 23 to 221 ºF **Resolution:** 0.1 ºC, 0.1 ºF **Relative Accuracy:** ±0.1 ºC, ±0.1 ºF **Temperature Offset Calibration:** Yes
Datalogging	**Number of Points:** 50 **Log Function:** Manual, Automatic with AUTO-READ
Inputs	**Conductivity Probe with Built-in Temperature:** 8-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
STARA1220	**Orion Star A122 Conductivity Portable Meter** - Four AA batteries (installed) - Printed quick start guide and literature CD
STARA1225	**Orion Star A122 Conductivity Portable Meter Kit** - 011050MD Orion conductivity probe, K=1.0 - 011007 Orion 1413 µS conductivity standard - 911110 Orion rinse solution pouches - Protective armor with electrode holder - Hard-sided field case - Four AA batteries (installed) - Printed quick start guide and literature CD

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
011050MD	Orion 2-cell conductivity probe, K=1.0
013016MD	Orion 2-cell conductivity probe with flow cell, K=0.1 for low range conductivity
013005MD	Orion DuraProbe conductivity probe, 4-cell, K=0.475
1010003	Universal power adapter, 100-240 V, 50/60 Hz
011008	Orion 100 µS conductivity standard, 5 x 60 mL
01100710	Orion 1413 µS conductivity standard pouches, 10 pack
01100610	Orion 12.9 mS conductivity standard pouches, 10 pack
911110	Orion rinse solution pouches, 10 pack
1010001	Orion conductivity calibration resistor kit

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.

Certified System

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3 Years Warranty

Water Analysis Instruments

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