

Thermo Scientific Orion Star A112

Basic conductivity benchtop meter

Thermo Scientific™ Orion™ Star A112 Conductivity Benchtop Meters make it easy and affordable to take simple, accurate conductivity measurements.



Thermo Scientific Orion Star A112 Conductivity Benchtop 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 power source
- 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
- Included electrode arm and holder make it easier to maintain and place probes into samples
- Plug the meter into almost any power outlet with the included universal power adapter, or use four AA batteries (sold separately) for added flexibility
- Non-volatile memory holds up to 50 data points
- The IP54-rated housing handles splashes and can be wall-mounted if table space is limited
- 3 year meter replacement warranty

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Thermo Scientific Orion Star A112 Conductivity Benchtop Meter

Specifications	
Conductivity	Range: 0.01 $\mu\text{S}/\text{cm}$ 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 $^{\circ}\text{C}$ Temperature Compensation: Linear (0.0 to 10.0 $\%/^{\circ}\text{C}$) 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 $^{\circ}\text{C}$, 23 to 221 $^{\circ}\text{F}$ Resolution: 0.1 $^{\circ}\text{C}$, 0.1 $^{\circ}\text{F}$ Relative Accuracy: ± 0.1 $^{\circ}\text{C}$, ± 0.1 $^{\circ}\text{F}$ 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: Included—universal, 100-240 VAC Battery Power: Optional—4 AAs Battery Life: 2000 hrs

Meter Ordering Information	
Part No.	Description
STARA1120	Orion Star A112 Conductivity Benchtop Meter - Attached electrode stand and holder - Universal power adapter - Printed quick start guide and literature CD
STARA1125	Orion Star A112 Conductivity Benchtop Meter Kit - 011050MD Orion conductivity probe, $K=1.0$ - 011007 Orion 1413 μS conductivity standard - Attached electrode stand and holder - Universal power adapter - Printed quick start guide and literature CD

Accessories Ordering Information	
Part No.	Description
STARA-BEA	Orion Star A series electrode arm, holder and benchtop meter-attachable base plate
STARA-HB	Orion Star A series freestanding base for electrode arm and holder
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, $K=0.475$
011008	Orion 100 μS conductivity standard, 5 x 60 mL
011007	Orion 1413 μS conductivity standard, 5 x 60 mL
011006	Orion 12.9 mS conductivity standard, 5 x 60 mL
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.



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