



Orion Star 212 Benchtop Conductivity Meter

Thermo Scientific Orion Star A212 conductivity benchtop meters are easy to use, dependable laboratory meters with advanced features and functions. Selectable read modes and stability indicator give you flexibility and control over your testing. All critical data is shown with your measurements including temperature, date and time, read type, measurement stability and active calibration information. Onscreen calibration and setup instructions can be displayed in several local languages, with new languages added through software updates.



- IP54 dustproof and splashproof.
- MiniDIN locking conductivity probe connectors.
- Advanced self-tests on meter operation, self-diagnostics.
- 2000-point datalogger which is downloadable to printer or computer via an optional RS232 or USB interface accessory.
- CE, CSA, UL, TÜV and FCC Class A limits approved.
- Universal power adapter for worldwide operation.

Thermo Scientific™ Orion™ DuraProbe™ 4-Cell Conductivity Probes

- Compatible with the A212 meter.
- 1.5m cable 8 pin Mini-DIN.
- Cell constant of $k=0.475$
- Suitable for a conductivity range of $1\mu\text{S}/\text{cm}$ to $200\text{mS}/\text{cm}$.



Specifications

Conductivity	
Range	0.001 $\mu\text{S}/\text{cm}$ to 3000 mS/cm, auto resolution with cell constant dependence
Resolution	4 significant digits down to 0.001 $\mu\text{S}/\text{cm}$, cell constant dependent
Relative Accuracy	0.5% \pm 1 digit or 0.01 $\mu\text{S}/\text{cm}$, which ever is greater
Cell Constant	0.001 to 199.9
Cell Compatibility	2 Cell, 4 Cell, with built-in temperature
Smart Stability™ and Smart Averaging™	Resolution Dependent / Automatic
Direct Cal™ / Auto-cal™	1 to 5 points / 1 to 3 points
Resistivity	
Range / Resolution	2 Ω to 100 M Ω / 1 Ω or 0.1 M Ω
Relative Accuracy	0.5% \pm 1 digit
Salinity	
Range / Resolution	0.06 to 80.00 psu NaCl equivalent, 0.05 to 42.00 ppt practical salinity / 0.01
Relative Accuracy	0.5% \pm 1 digit



TDS	
Range / Resolution	0.001 to 200.0 ppm
Relative Accuracy	±0.5% ±1 digit
Adjustable TDS Factor	0.02 to 9.99
Temperature	
Range / Resolution	-5 to 105°C / 0.1 up to 99.9°C, 1.0 over 99.9°C
Relative Accuracy	±0.1°C
Temperature Compensation	nLF, linear 0.0 to 10.0%/°C
Display	Graphic LCD with backlight for easy viewing
Inputs / Outputs	
Sensor Inputs	Conductivity-miniDIN – Locking (waterproof)
Communications	Waterproof bi-directional RS232 – stereo jack, optional USB interface cable
Special GLP Software Features	
Number of Data Logging Points	2000 points by time, stability or manual read with time/date stamp
Calibration Log	Last 10 calibrations
User Method Storage	10 saved
Advanced Self-test and Diagnostics	Yes
Password Protection	Yes
Internet Software Updates / Downloadable Methods	Yes
Power	Universal Power Adaptor or 4 x AA batteries
Regulatory and Safety	CE, CSA, UL, TÜV 3-1, FCC class A limits
Environmental Operating Conditions	
Ambient Operating Temperature	5 to 45°C
Relative Humidity	5 to 85% non-condensing
IP Rating	IP54, splashproof and dustproof

Ordering Information

STAR2125 Orion Star A212 Benchtop Conductivity Meter

013005MD 4 Electrode Conductivity Cell Mini-DIN

Country of Origin: USA

