Thermo Scientific Orion Star A212

Advanced conductivity benchtop meter

The Thermo Scientific[™] Orion[™] Star A212 Conductivity Benchtop Meter works for any lab or application. Its durability and dependability make it ideal for every sample, every day.









The Thermo Scientific Orion Star A212 Conductivity Benchtop Meter is the ideal choice for any lab. Get the information you need quickly and easily from the large, backlit graphic LCD display. Informative display shows conductivity/TDS/salinity/resistivity and temperature with time, date, sample ID, user ID and calibration info.

Features and Benefits

- Easy meter operation assured with on-screen text prompts, menu-specific function keys and a multi-language interface
- Don't miss a reading—AUTO-READ™
 locks in the stable reading on your screen,
 ready indicator alerts when readings are
 stable and timed reading gathers data in
 specific time intervals
- Automatic or manual conductivity calibration and auto-ranging measurements for high accuracy across all conductivity ranges
- Selectable reference temperatures of 5, 10, 15, 20 or 25 °C with linear, non-linear or EP curve options for temperature compensated conductivity readings

- Non-volatile memory holds up to 2000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary Orion Star Com computer software
- Stir samples with ease using the meter-controlled Orion Star stirrer probe (Cat. No. 096019)
- Included electrode arm and holder make it easier to maintain and place probes into samples
- Power the meter using the included universal power adapter or four AA batteries (sold separately)
- IP54-rated housing handles splashes and is wall-mountable to save space
- 3 year meter replacement warranty



Thermo Scientific Orion Star A212 Conductivity Benchtop Meter

	Specifications Specifications		
Conductivity Range: 0.001 µS to 3000 mS			
Conductivity	Resolution: 0.001 μS minimum, auto ranging,		
	up to 4 significant digits		
	Relative Accuracy:		
	0.5 % of reading ± 1 digit $> 3 \mu S$,		
	0.5 % of reading ± 1 digit $> 3 \mu$ S, 0.5 % of reading $\pm 0.01 \mu$ S $\leq 3 \mu$ S		
	Reference Temperature: 5, 10, 15,		
	20, 25 °C		
	Temperature Compensation: Linear		
	(0 to 10.0 %/°C), nonlinear nLFn & nLFu,		
	EP (USP), off		
	Compatible Cell Constants: 0.001 to 199.9		
	Calibration Points: Up to 5 points		
	Calibration Editing: Yes		
Resistivity	Range: 2 ohm to 100 meg-ohm		
nesistivity	Resolution: 1 ohm or 0.1 meg-ohm,		
	auto ranging		
	Relative Accuracy: 0.5 % reading ±1 digit		
Salinity	Type: Practical salinity or natural sea water		
Samily	Range: 0.06 to 80.00 psu, 0.05 to 42.00 ppt		
	Resolution: 0.01 psu, 0.01 ppt		
	Relative Accuracy: 0.5 % reading ±1 digit		
TDS	Range: 0.001 to 200.0 ppt		
פעו	Resolution: 0.001 ppt minimum, auto ranging,		
	up to 4 significant digits		
	Relative Accuracy: ± 0.5 % reading ± 1 digit TDS Factor Range: Linear, 0.02 to 9.99		
Tamanavatuva	Range: -5 to 105 °C, 23 to 221 °F		
Temperature			
	Resolution: 0.1 °C, 0.1 °F		
	Relative Accuracy: ±0.1 °C, ±0.1 °F		
Datalannian	Offset Calibration: 1 point		
Datalogging	Memory: 2000 with time and date stamp		
	Log Function: Manual, ready		
	(includes AUTO-READ), timed		
Inputs	Conductivity Probe with Built-in		
	Temperature: 8-pin mini-DIN		
Output	RS232, USB		
Power	AC Adapter: Included—universal,		
	100-240 VAC		
	Battery Power: Optional—4 AAs		
	Battery Life: 800 hrs		

	Meter Ordering Information
Part No.	Description
STARA2120	Orion Star A212 Conductivity
	Benchtop Meter
	 Attached electrode stand and holder
	 Universal power adapter
	- Printed quick start guide and literature CD
	- USB computer cable
STARA2125	Orion Star A212 Conductivity
	Benchtop Meter Kit
	 - 013005MD Orion DuraProbe conductivity
	probe, K=0.475
	- Orion 1413 μS conductivity standard
	 Attached electrode stand and holder
	 Universal power adapter
	- Printed quick start guide and literature CD
	- USB computer cable
STARA2126	Orion Star A212 Conductivity
	Benchtop Meter Kit for Ultrapure Water
	- 013016MD Orion conductivity probe with
	flow-through cell, K=0.1
	- Orion 100 µS conductivity standard
	- Attached electrode stand and holder
	- Universal power adapter
	- Printed quick start guide and literature CD
	- USB computer cable

	Accessories Ordering Information
Part No.	Description
096019	Orion Star stirrer probe
STARA-BEA	
	benchtop meter-attachable base plate
STARA-HB	Orion Star A series freestanding base for
	electrode arm and holder
013005MD	Orion DuraProbe conductivity probe, 4-cell,
	K=0.475
013016MD	Orion 2-cell conductivity probe with
	flow cell, K=0.1
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 infor	mation, contact your local Thermo Scientific products dealer



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