Thermo Scientific Orion Star A215

Advanced pH/conductivity benchtop meter

The Thermo Scientific™ Orion™ Star A215 pH/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 A215 pH/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 one or both pH and conductivity channels with temperature. Additional information includes electrode status, time, date, sample ID and user ID.

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 the stable reading on screen, ready indicator alerts when reading is stable and timed setting logs data at set intervals
- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers or manual option for custom buffer values
- 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 ºC 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 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
- Included electrode arm and holder make it easier to maintain probes
- IP54-rated housing handles splashes and is wall-mountable to save space
- 3 year meter replacement warranty

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Thermo Scientific Orion Star A215 pH/Conductivity Benchtop Meter

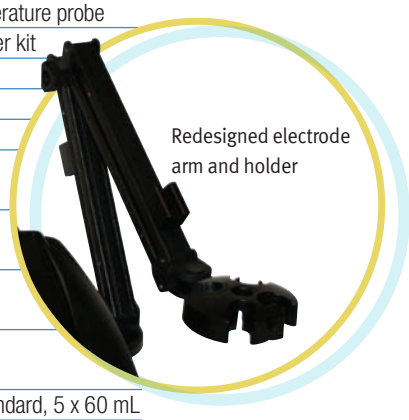
Specifications	
pH	**Range:** -2.000 to 20.000 **Resolution:** 0.1, 0.01, 0.001 **Relative Accuracy:** ±0.002 **Calibration Points:** Up to 5 **Calibration Editing:** Yes
mV/RmV	**Range:** ±2000.0 mV **Resolution:** 0.1 mV **Relative Accuracy:** ±0.2 mV or ±0.05 % of reading whichever is greater **E_H ORP Mode:** Yes
Conductivity	**Range:** 0.001 µS to 3000 mS **Resolution:** 0.001 µS minimum, auto ranging, up to 4 significant digits **Relative Accuracy:** 0.5 % of reading ±1 digit > 3 µS, 0.5 % of reading ±0.01 µS ≤ 3 µS **Reference Temperature:** 5, 10, 15, 20, 25 ºC **Temperature Compensation:** Linear, 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 **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 **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 **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
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 **Offset Calibration:** 1 point
Datalogging	**Memory:** 2000 with time and date stamp **Log Function:** Manual, ready (includes AUTO-READ), timed
Inputs	**pH Electrode:** BNC, reference pin **Conductivity or ATC Probe:** 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
STARA2150	**Orion Star A215 pH/Conductivity Benchtop Meter** - Attached electrode stand and holder - Universal power adapter - Printed quick start guide and literature CD - USB computer cable
STARA2155	**Orion Star A215 pH/Conductivity Benchtop Meter Kit** - 8157BNUMD Orion ROSS Ultra Triode refillable, epoxy-body pH/ATC electrode - 013005MD Orion DuraProbe conductivity probe - ROSS pH buffer & solution kit - 011007 Orion 1413 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	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
8302BNUMD	Orion ROSS Ultra Triode refillable, glass-body pH/ATC electrode
8102BNUWP	Orion ROSS Ultra refillable, glass-body pH electrode
927007MD	Orion stainless steel ATC temperature probe
810199	Orion ROSS All-in-One pH buffer kit
910104	Orion pH 4.01 buffer, 475 mL
910107	Orion pH 7.00 buffer, 475 mL
910110	Orion pH 10.01 buffer, 475 mL
013005MD	Orion DuraProbe conductivity probe, 4-cell, K=0.475
013016MD	Orion 2-electrode 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 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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