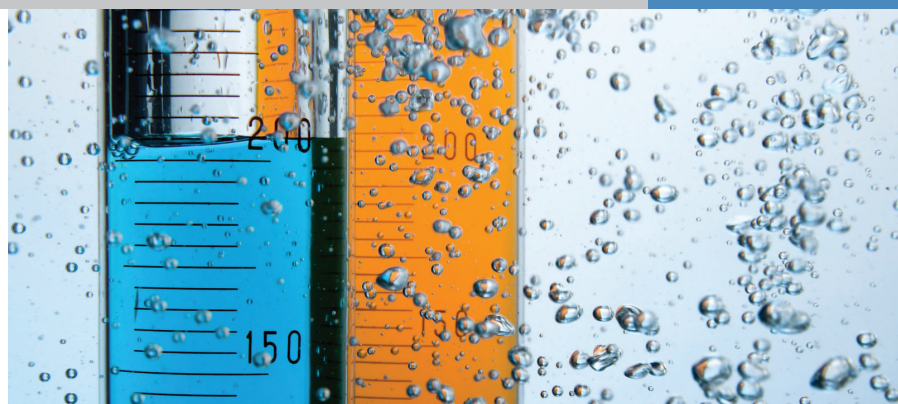


The Thermo Scientific Orion Star A215 pH/Conductivity Benchtop Meter works for any lab or application. Its durability and dependability make it ideal for every sample, every day.

## Thermo Scientific Orion Star A215 pH/Conductivity Benchtop Meter



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 individual pH/mV/RmV or conductivity/TDS/salinity/resistivity results with temperature, or all results at once. Additional helpful information includes electrode status, time, date, sample ID, user ID and calibration. For advanced users, features such as stability and averaging choices provide additional options.

### Features and Benefits

- Anyone can use this meter with its plain language screen prompts, soft keys that update for easy selection and a multilanguage interface that supports English, Spanish, French, Italian, German and Chinese
- 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
- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers and calibration editing to fix errors without a complete recalibration
- Selectable cell constant allows for use with 2- or 4-cell conductivity cells
- For accurate conductivity results, selectable reading reference temperatures of 5, 10, 15, 20 or 25 °C with linear, non-linear, nLFU or EP curve options
- Choice of practical salinity or natural sea water curves for salinity readings
- Linear or ISO/EN 27888 curves for TDS
- 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 data analysis software
- Mix samples without a stir plate with direct control of the Orion Star stirrer probe (096019, sold separately)
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Works with almost every AC power source with the included universal power adapter, or use four AA batteries (sold separately) to run the meter on DC power
- IP54-rated housing handles splashes and is wall-mountable if table space is a problem
- 3 year meter replacement warranty

## Thermo Scientific Orion Star A215 pH/Conductivity Benchtop Meter

### Specifications



<b>pH</b>	<b>Range</b>	-2.000 to 20.000
	<b>Resolution</b>	0.1, 0.01, 0.001
	<b>Relative Accuracy</b>	±0.002
	<b>Calibration Points</b>	Up to 5
	<b>Calibration Editing</b>	Yes
<b>mV/RmV</b>	<b>Range</b>	±2000.0 mV
	<b>Resolution</b>	0.1
	<b>Relative Accuracy</b>	±0.2 mV or ±0.05 % of reading whichever is greater
	<b>E<sub>H</sub> ORP Mode</b>	Yes
<b>Conductivity</b>	<b>Range</b>	0.001 µS to 3000 mS
	<b>Resolution</b>	0.001 µS minimum; 4 significant figures minimum
	<b>Relative Accuracy</b>	0.5 % reading ±1 digit
	<b>Reference Temperature</b>	5, 10, 15, 20, 25 °C (default)
	<b>Temperature Compensation</b>	Linear (0 to 10.0 %/°C), nLn, nLFu, EP
	<b>Compatible</b>	0.001 to 199.9
	<b>Cell Constants</b>	
	<b>Calibration Points</b>	Up to 5 points
	<b>Calibration Editing</b>	Yes
<b>Resistivity</b>	<b>Range</b>	2 ohm to 100 meg-ohm
	<b>Resolution</b>	2 ohms-cm
	<b>Relative Accuracy</b>	0.5 % reading ±1 digit
<b>Salinity</b>	<b>Type</b>	Practical salinity or natural sea water
	<b>Range</b>	0.01 to 80.0 ppt NaCl equivalent; 0.01 to 42 ppt practical salinity
	<b>Resolution</b>	0.01
	<b>Relative Accuracy</b>	±0.1
<b>TDS</b>	<b>Range</b>	1 to 200 ppt
	<b>Resolution</b>	4 significant digits
	<b>Relative Accuracy</b>	0.5 % reading ±1 digit
	<b>TDS Factor Range</b>	Linear 0.01 to 10.00, default 0.49
<b>Temperature</b>	<b>Range</b>	-5 to 105 °C, 23 to 221 °F
	<b>Resolution</b>	0.1
	<b>Relative Accuracy</b>	±0.1
	<b>Offset Calibration</b>	1 point
<b>Datalogging</b>	<b>Memory</b>	2000 with time and date stamp
	<b>Log Function</b>	Manual, ready (includes AUTO-READ™), timed
	<b>Log Edit</b>	Delete individual points, group of points or all
<b>Inputs</b>	<b>pH Electrode</b>	BNC, reference pin
	<b>Conductivity with Temperature Probe or ATC Probe</b>	8-pin mini-DIN
<b>Output</b>		RS232, USB
<b>Power</b>	<b>AC Adapter</b>	Included – universal, 100-240 VAC
	<b>Battery Power</b>	Optional – 4 AAs
	<b>Battery Life</b>	800 hrs

### Ordering Information

Cat. No.	Description
<b>STARA2150</b>	<b>Orion STAR A215 pH/Conductivity Benchtop Multiparameter Meter</b> - Electrode arm with redesigned holder - Universal power adapter
<b>STARA2155</b>	<b>Orion STAR A215 pH/Conductivity Benchtop Multiparameter Meter Kit</b> - 8157BNUMD Orion ROSS Ultra Triode pH/ATC electrode - 013005MD Orion DuraProbe conductivity cell - ROSS solution kit (475 mL each of pH 4, 7 and 10 buffers; storage solution; cleaning solution; and pH electrode storage bottle) - 011007 Orion 1413 µS conductivity standard, 5x60 mL - Electrode arm with redesigned holder - Universal power adapter
<b>Accessories</b>	
<b>096019</b>	Orion Star stirrer probe
<b>STARA-BEA</b>	Benchtop electrode arm for Orion Star A-series meters
<b>STARA-HB</b>	Freestanding base for use with Orion Star A-series benchtop electrode arm
<b>8302BNUMD</b>	Orion ROSS Triode 3-in-1 pH/ATC probe, refillable, glass body
<b>8102BNUWP</b>	Orion ROSS Ultra refillable pH electrode, glass body
<b>927007MD</b>	Orion ATC probe, stainless steel
<b>810199</b>	Orion ROSS All-in-One pH buffer kit
<b>910104</b>	Orion pH 4.01 buffer, 475 mL
<b>910107</b>	Orion pH 7.00 buffer, 475 mL
<b>910110</b>	Orion pH 4.01 buffer, 475 mL
<b>013005MD</b>	Orion DuraProbe conductivity cell, 4-cell, K=0.475
<b>013016MD</b>	Orion 2-electrode conductivity cell with flow cell, K=0.1
<b>011008</b>	Orion conductivity standard, 100 µS/cm, 5x60 mL bottles
<b>011007</b>	Orion conductivity standard, 1413 µS/cm, 5x60 mL bottles
<b>011006</b>	Orion conductivity standard, 12.9 mS/cm, 5x60 mL bottles
<b>1010001</b>	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](http://www.thermoscientific.com/water).

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