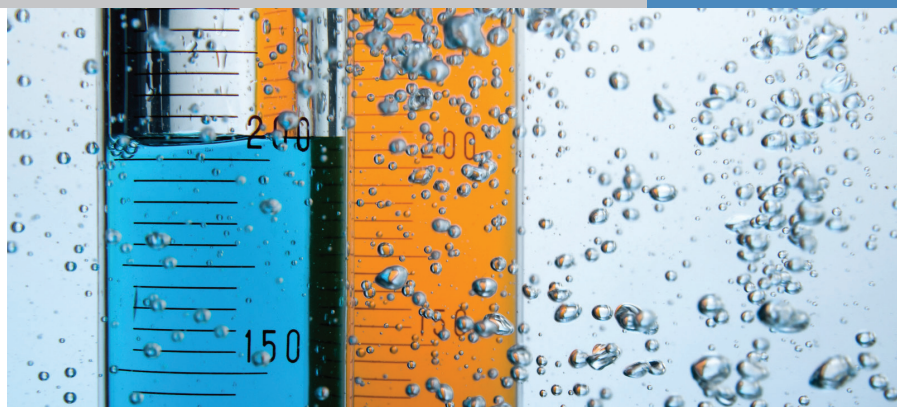
Product Specifications

The Thermo Scientific Orion Star A211 pH Benchtop Meter works for any lab or application. Its durability and dependability make it ideal for every sample, every day.

Thermo Scientific Orion Star A211 pH Benchtop Meter







The Thermo Scientific Orion Star A211 pH 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 pH/mV/RmV and temperature along with electrode status, time, date, sample ID, user ID and calibration points. 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
- Fix calibration errors without a complete recalibration with calibration editing
- 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 A211 pH 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
	Relative Accuracy	±0.2 mV or ±0.05 % of reading whichever is greater
	E_H ORP Mode	Yes
Temperature	**Range**	-5 to 105 °C, 23 to 221 °F
	Resolution	0.1
	Relative Accuracy	±0.1
	Offset Calibration	1 point
Datalogging	**Number of Points**	2000 with time and date stamp
	Log Function	Manual, ready (includes AUTO-READ™), timed
	Log Edit	Delete individual points, group of points or all
Inputs	**pH Electrode**	BNC, reference pin
	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

Ordering Information

Cat. No.	Description
STARA2110	**Orion STAR A211 pH Benchtop Meter** - Electrode arm with redesigned holder - Universal power adapter
STARA2115	**Orion STAR A211 pH Benchtop Meter Kit** - 8302BNUMD Orion ROSS Triode 3-in-1 pH/ATC probe - 810199 ROSS solution kit (475 mL each of pH 4, 7 and 10 buffers; storage solution; cleaning solution; and pH electrode storage bottle) - Electrode arm with redesigned holder - Universal power adapter
Accessories	
096019	Orion Star stirrer probe
STARA-BEA	Benchtop electrode arm for Orion Star A-series meters
STARA-HB	Freestanding base for use with Orion Star A-series benchtop electrode arm
8302BNUMD	Orion ROSS Triode 3-in-1 pH/ATC probe, refillable, glass body
8102BNUWP	Orion ROSS Ultra refillable pH electrode, glass body
927007MD	Orion ATC probe, stainless steel
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 4.01 buffer, 475 mL

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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