

Thermo Scientific Orion Star A211

Advanced pH benchtop meter



BioSciences

Delivering Excellence

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.



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 with electrode status, time, date, sample ID, user ID and calibration points.

Features and Benefits

- Easy meter operation assured with on-screen text prompts, menu-specific function keys and a multi-language interface for 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 or manual option for custom buffer values and calibration editing to fix individual points without a full recalibration
- 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

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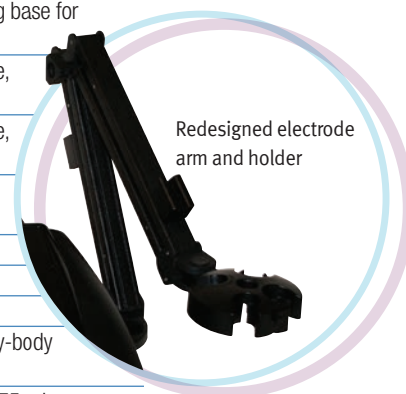
Specifications	
pH	Range: -2.000 to 20.000 Resolution: 0.1, 0.01, 0.001 Relative Accuracy: ± 0.002 Calibration Points: Up to 5 Calibration Editing: Yes
mV/RmV	Range: ± 2000.0 mV Resolution: 0.1 mV Relative Accuracy: ± 0.2 mV or ± 0.05 % of reading whichever is greater E_H ORP Mode: Yes
Temperature	Range: -5 to 105 °C, 23 to 221 °F Resolution: 0.1 °C, 0.1 °F Relative Accuracy: ± 0.1 °C, ± 0.1 °F 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 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
STARA2110	Orion Star A211 pH Benchtop Meter - Electrode stand, universal power adapter, literature, PC cable and test certificate
STARA2114	Orion Star A211 pH Benchtop Meter Difficult Sample Kit - 8172BNWP ROSS Sure-Flow glass-body pH electrode - 927007MD Orion stainless steel ATC probe - 810199 Orion ROSS pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate
STARA2115	Orion Star A211 pH Benchtop Meter ROSS Kit - 8302BNUMD Orion ROSS Ultra Triode refillable, glass-body pH/ATC electrode - 810199 Orion ROSS pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate

STARA2116	Orion Star A211 pH Benchtop Meter Durable ROSS Kit - 8157BNUMD Orion ROSS Ultra Triode refillable, epoxy-body pH/ATC electrode - 810199 Orion ROSS pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate
STARA2117	Orion Star A211 pH Benchtop Meter General Purpose Kit - 9157BNMD Orion Triode refillable, epoxy-body pH/ATC electrode - 910199 Orion pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate
STARA2118	Orion Star A211 pH Benchtop Meter Separate Sensor Kit - 8102BNUWP ROSS Ultra glass-body pH electrode - 927007MD Orion stainless steel ATC probe - 810199 Orion ROSS pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate
STARA2119	Orion Star A211 pH Benchtop Meter Food & Beverage Kit - 9165BNWP Orion Sure-Flow epoxy-body pH electrode - 927007MD Orion stainless steel ATC probe - 910199 Orion pH buffer kit - Electrode stand, universal power adapter, literature, PC cable and test certificate

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
8172BNWP	Orion ROSS Sure-Flow refillable, glass-body pH electrode
8165BNWP	Orion ROSS Sure-Flow refillable, epoxy-body pH electrode
927007MD	Orion stainless steel ATC temperature probe
910104	Orion pH 4.01 buffer, 475 mL
910107	Orion pH 7.00 buffer, 475 mL
910110	Orion pH 10.01 buffer, 475 mL
9678BNWP	Orion Sure-Flow refillable epoxy-body ORP electrode
967901	Orion ORP standard solution, 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.



Redesigned electrode arm and holder

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