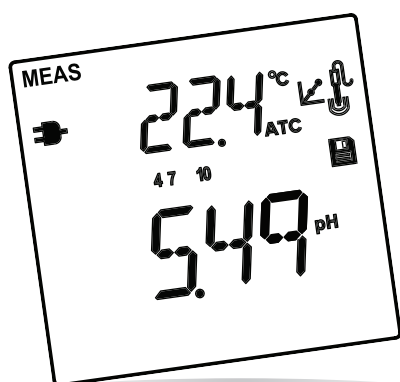


Thermo Scientific Orion Star A111 pH Benchtop Meter

Thermo Scientific Orion Star A111 pH Benchtop Meters make it easy and affordable to take simple, accurate pH measurements.



Thermo Scientific Orion Star A111 pH Benchtop Meters combine simplicity with accuracy. A large LCD displays pH or mV readings along with temperature. Icons provide quick updates on battery life, electrode status and calibration information. Simple button layout and onscreen messages help with calibration and setup menu choices.

Features and Benefits

- Large, informative screen clearly shows the main information, including pH or mV reading, temperature in °C or °F, meter mode, calibration information and power source
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when readings are stable
- Up to 3 point pH calibration
- Automatic recognition of USA/NIST and DIN buffers
- Easily recall calibration slope data for procedure checks
- Non-volatile memory holds up to 50 data points
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Plug the meter into almost any power outlet with the included universal power adapter, or use four AA batteries (sold separately) to run the meter on DC power
- The IP54-rated housing can handle splashes and can be wall-mounted if table space is a problem
- 3 year meter replacement warranty

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Specifications



pH	Range	-2.00 to 16.00
	Resolution	0.1, 0.01
	Relative Accuracy	±0.01
	pH Calibration Points	Up to 3
mV	Range – mV	±1600.0 mV
	Range – RmV	±1999.9 mV
	Resolution	0.1
	Relative Accuracy	±0.2 mV or ±0.05 % of reading whichever is greater
	Relative mV Calibration	Yes
Temperature	Range	-5 to 105 °C, 23 to 221 °F
	Resolution	0.1
	Relative Accuracy	±0.1
	Temperature Compensation	Automatic or manual
	Temperature Offset Calibration	Yes
Datalogging	Number of Points	50
	Log Function	Manual, Automatic with AUTO-READ™
	Log Edit	Delete last reading or all
Inputs	pH Electrode	BNC
	ATC Probe	8-pin mini-DIN
Power	AC Adapter	Included – universal, 100-240 VAC
	Battery Power	Optional – 4 AAs
	Battery Life	2000 hrs

Ordering Information

Cat. No.	Description
Meters Only	
STARA1110	Orion STAR A111 pH Benchtop Meter - Electrode arm with redesigned holder - Universal power adapter
STARA1115	Orion STAR A111 pH Benchtop Meter Kit - 9157BNMD Orion Triode 3-in-1 pH/ATC probe - Solution kit (60 mL each of pH 4, 7 and 10 buffers; storage solution and cleaning solution) - Electrode arm with redesigned holder - Universal power adapter
Accessories	
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
9157BNMD	Orion Triode 3-in-1 pH/ATC probe, refillable, epoxy body
9107BNMD	Orion Triode 3-in-1 pH/ATC probe, gel-filled, epoxy body
910199	Orion Standard All-in-One pH buffer kit - 475 mL each of 4.01, 7.00 and 10.01 buffers and pH electrode storage solution with pH electrode storage bottle
910104	Orion pH 4.01 buffer, 475 mL
910107	Orion pH 7.00 buffer, 475 mL
910110	Orion pH 10.01 buffer, 475 mL
910001	Orion pH electrode storage solution, 475 mL
916099	Orion pH buffer assortment pack – 60 mL each of pH 4, 7 and 10 buffers; storage solution and cleaning solution D

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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