Thermo Scientific Orion Star A111

Basic 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 continuous readings are stable
- Up to 3 point pH calibration with easy recall of calibration point and slope data
- Automatic recognition of USA/NIST and DIN buffers or manual option for custom buffer values
- Non-volatile memory holds up to 50 data points
- Included electrode arm and 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) for added flexibility
- The IP54-rated housing handles splashes and can be wall-mounted if table space is limited
- 3 year meter replacement warranty

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Thermo Scientific Orion Star A111 pH Benchtop Meter

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 mV **Relative Accuracy:** ±0.2 mV or ±0.05 % of reading whichever is greater **Relative mV Calibration:** Yes
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 **Temperature Compensation:** Automatic or manual **Temperature Offset Calibration:** Yes
Datalogging	**Number of Points:** 50 **Log Function:** Manual, Automatic with AUTO-READ
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

Meter Ordering Information	
Part No.	**Description**
STARA1110	**Orion Star A111 pH Benchtop Meter** - Electrode stand, universal power adapter, literature and test certificate
STARA1115	**Orion Star A111 pH Benchtop Meter Standard Kit** - 9157BNMD Orion Triode refillable, epoxy-body pH/ATC electrode - 916099 Orion 60 mL pH buffer kit - Electrode stand, universal power adapter, literature and test certificate
STARA1116	**Orion Star A111 pH Benchtop Meter TRIS-Compatible Kit** - GD9156BNWP Orion Green double junction refillable, epoxy-body pH electrode - 927007MD Orion stainless steel ATC probe - Electrode stand, universal power adapter, literature and test certificate
STARA1117	**Orion Star A111 pH Benchtop Meter ROSS TRIS-Compatible Kit** - 8157BNUMD Orion ROSS Ultra Triode refillable epoxy-body pH/ATC electrode - 810199 Orion ROSS pH buffer kit - Electrode stand, universal power adapter, literature and test certificate

Accessories Ordering Information	
Part No.	**Description**
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
9172BNWP	Orion Sure-Flow refillable, glass-body pH electrode
9165BNWP	Orion Sure-Flow refillable, epoxy-body pH electrode
9107BNMD	Orion Triode gel-filled, epoxy-body pH/ATC 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
910001	Orion pH electrode storage solution, 475 mL
810001	Orion ROSS pH electrode storage solution, 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.

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3 Years Warranty

Water and Lab Products

North America
Toll Free: 1-800-225-1480
Tel: 1-978-232-6000
info.water@thermofisher.com

Germany
Tel: (49) 6184-90-6000
info.water.uk@thermofisher.com

India
Tel: (91) 22-4157-8800
wai.asia@thermofisher.com

Japan
Tel: (81) 045-453-9175
wai.asia@thermofisher.com

China
Tel: (86) 21-68654588
wai.asia@thermofisher.com

Singapore
Tel: (65) 6778-6876
wai.asia@thermofisher.com

Australia
Tel: (613) 9757-4300
In Australia: (1300) 735-295
InfoWaterAU@thermofisher.com

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