

Thermo Scientific Orion Star A121

Basic pH portable meter

Thermo Scientific™ Orion™ Star A121 pH Portable Meters make it easy and affordable to take simple, accurate pH measurements.



Thermo Scientific Orion Star A121 pH Portable 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 battery life
- 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
- Four AA batteries (included) provide 2000 hours of operation or purchase the universal power adapter (sold separately)
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 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 mV 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 °C, 0.1 °F Relative Accuracy: ±0.1 °C, ±0.1 °F 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: Optional—universal, 100-240 VAC Battery Power: Included—4 AAs Battery Life: 2000 hrs



Meter Ordering Information

Part No.	Description
STARA1210	Orion Star A121 pH Portable Meter - Four AA batteries (installed) - Printed quick start guide and literature CD
STARA1215	Orion Star A121 pH Portable Meter Kit - 9107BNMD Orion Triode gel-filled, epoxy-body pH/ATC electrode - 916099 Orion 60 mL pH buffer and solutions kit - 911110 Orion rinse solution pouches - Protective armor with electrode holder and storage sleeve - Hard-sided field case - Four AA batteries (installed) - Printed quick start guide and literature CD

Accessories Ordering Information

Part No.	Description
STARA-CS	Orion Star A series portable meter hard-sided field case
1210005	Orion Star A series portable meter soft-sided field case
STARA-AR	Orion Star A series portable meter armor with pH electrode holder, conductivity and DO probe holder, stand and adjustable hand-strap
STARA-ESPH	Orion pH electrode holder for portable Star A series meter armor
810017	Orion pH electrode storage sleeve for pH electrode holder
9157BNMD	Orion Triode refillable, epoxy-body pH/ATC electrode
9107WMMD	Orion Triode gel-filled, epoxy-body pH/ATC electrode with 3 m cable
1010003	Universal power adapter, 100-240 V, 50/60 Hz
910410-WA	Orion pH 4.01 buffer pouches, 10 pack
910710	Orion pH 7.00 buffer pouches, 10 pack
911010	Orion pH 10.01 buffer pouches, 10 pack
911110	Orion rinse solution pouches, 10 pack
9179BNMD	Orion Triode gel-filled epoxy-body ORP/ATC electrode
967961	Orion ORP standard solution, 5 x 60 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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