

The Thermo Scientific Orion 4-Star Plus pH/ISE meters feature the accuracy and reliability you need for ISE measurements.

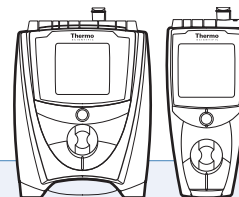
Thermo Scientific Orion 4-Star Plus pH/ISE Meters



Features and Benefits

- Simultaneous display of pH, mV or ISE and temperature measurements on the backlit LCD
- The Thermo Scientific Orion SMART STABILITY™ and SMART AVERAGING™ functions for automatically optimized accuracy, precision and response time
- Temperature calibration capability
- pH calibration of up to 5 points with calibration alarm and automatic buffer recognition of USA, NIST and DIN buffers
- ISE calibration of up to 5 points with automatic blank correction feature
- Storage of up to 10 individually password-protected methods for easy retrieval of operation procedures
- Data storage for 750 points with time and date stamp
- Average slope and slope of segment printed with measurements
- RS232 port for easy data downloading and software communication
- Benchtop units can control an autosampler and the 096010 stirrer probe (*each sold separately*)
- Benchtop units are splashproof with an IP54-rated housing and include a universal power supply
- Portable units are waterproof with an IP67-rated housing and run for over 2,000 hours on four AA batteries
- 3 year meter warranty

Thermo Scientific Orion 4-Star Plus pH/ISE Meters



pH	Range	- 2.000 to 19.999
	Resolution	0.1, 0.01, 0.001
	Relative Accuracy	± 0.002
ISE	Range	0 to 19999
	Resolution	1, 2, or 3 significant digits
	Relative Accuracy	± 0.2 mV or 0.05%, whichever is greater
	Units	M, mg/L, %, ppb, or no units
mV	Range	± 1999.9
	Resolution	0.1
	Relative Accuracy	± 0.2 or 0.05%, whichever is greater
Temperature	Range	- 5 to 105 °C
	Resolution	0.1 up to 99.9 °C, 1.0 over 99.9 °C
	Relative Accuracy	± 0.1 °C



Signifies a hazardous solution. See terms and conditions for important shipping information at www.thermo.com/water.

Meters Only

Cat. No.	Package
1115000	Includes benchtop meter, universal power and user guide
1215000	Includes portable meter, batteries and user guide

Benchtop Meter Kits

Cat. No. / Application	Sensor (s)	Accessories and Solutions
1115001 / TRIS Fresh Water	<ul style="list-style-type: none"> 8102BNUWP ROSS Ultra refillable glass pH electrode 927005MD Epoxy ATC probe 	<ul style="list-style-type: none"> Swing arm electrode stand pH 4.01, 7.00, and 10.01 buffers and pH electrode storage solution (pint bottles)
1115002 / Clog-Free Wastewater	<ul style="list-style-type: none"> 9172BNWP Sure-Flow refillable glass pH electrode 927005MD Epoxy ATC probe 	<ul style="list-style-type: none"> Swing arm electrode stand pH 4.01, 7.00, and 10.01 buffers and pH electrode storage solution (pint bottles)
1115003 / TRIS Fresh Water	<ul style="list-style-type: none"> 8102BNUWP ROSS Ultra refillable glass pH electrode 927005MD Epoxy ATC probe 	<ul style="list-style-type: none"> Star Navigator 21 software and RS232 computer cable Swing arm electrode stand pH 4.01, 7.00, and 10.01 buffers and pH electrode storage solution (pint bottles)
1115004 / Clog-Free Wastewater	<ul style="list-style-type: none"> 9172BNWP Sure-Flow refillable glass pH electrode 927005MD Epoxy ATC probe 	<ul style="list-style-type: none"> Star Navigator 21 software and RS232 computer cable Swing arm electrode stand pH 4.01, 7.00, and 10.01 buffers and pH electrode storage solution (pint bottles)
1115005 / Na⁺ Clog-Free	<ul style="list-style-type: none"> 8611BNWP ROSS sodium ion selective electrode 	<ul style="list-style-type: none"> Sodium standards and solutions (pint bottles) Swing arm electrode stand
1010109 / NH₃	<ul style="list-style-type: none"> 9512HPBNWP Ammonia ion selective electrode 096019 Stirrer probe 	<ul style="list-style-type: none"> Ammonia standards and solutions (pint bottles) Swing arm electrode stand Method Note - Ammonia in Wastewater
1010103 / F⁻ Clog-Free	<ul style="list-style-type: none"> 9609BNWP Fluoride ion selective electrode 096019 Stirrer probe 	<ul style="list-style-type: none"> Fluoride standards and solutions (pint bottles) Swing arm electrode stand Method Note - Fluoride in Drinking Water
1010108 / NO₃⁻ Clog-Free	<ul style="list-style-type: none"> 9707BNWP Nitrate ion selective electrode 096019 Stirrer probe 	<ul style="list-style-type: none"> Nitrate standards and solutions (pint bottles) Swing arm electrode stand Method Note - Nitrate in Drinking Water
1010102 / NH₃	<ul style="list-style-type: none"> 9512HPBNWP Ammonia ion selective electrode 096019 Stirrer probe 	<ul style="list-style-type: none"> Ammonia standards and solutions (pint bottles) Swing arm electrode stand Method Note - Ammonia in Drinking Water

Portable Meter Kits

Cat. No. / Application	Sensor (s)	Accessories and Solutions
1215001 / Fresh Water	<ul style="list-style-type: none"> 9107BNMD Low maintenance epoxy pH/ATC Triode electrode 	<ul style="list-style-type: none"> pH electrode storage solution (5 x 60 mL bottles) pH 4.01, 7.00, 10.01 buffers (10 x 15 mL pouches) Hard field case
1215001 / Fresh Water	<ul style="list-style-type: none"> 9107BNMD Low maintenance epoxy pH/ATC Triode electrode 	<ul style="list-style-type: none"> pH electrode storage solution (5 x 60 mL bottles) pH 4.01, 7.00, 10.01 buffers (10 x 15 mL pouches) Soft field case

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S-4STARPI-E 0408 RevA

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