

Thermo Scientific Orion 5-Star pH/ORP/Conductivity/DO Portable Meter



NEW

- pH, ORP, conductivity and DO measurements in one waterproof hand-held unit
- Durable and balanced with backlit display for easy handling in the most demanding field applications
- Full complement of GLP-related features including Star Navigator 21 software
- SMART STABILITY and SMART AVERAGING functions for automatically optimized accuracy, precision and response time
- Storage of up to 10 password protected methods for easy retrieval of operation procedures
- Automatic salinity correction for DO measurements from the conductivity probe reading
- Simultaneous display of pH, conductivity, DO and temperature measurements
- Battery power delivers over 2,000 hours of continuous operation
- 3 year warranty

Description

- IP67 waterproof and dustproof
- 4 x AA batteries, powerless data protection

Specifications

pH	Range / Resolution	- 2.000 to 19.999 / 0.1, 0.01, 0.001
	Relative Accuracy	± 0.002
mV	Range	± 1999.9
	Resolution / Relative Accuracy	0.1 / ± 0.2 or 0.05%, whichever is greater
Conductivity	Range	0.000 to 3000 mS/cm, cell constant dependence
	Resolution	4 significant digits down to 0.001 µS/cm, cell constant dependent
	Relative Accuracy	0.5% ± 1 digit or 0.01 µS/cm, whichever is greater
Resistivity	Range / Resolution	0.0001 to 100 Megohm / Automatic
	Relative Accuracy	0.5 % ± 1 digit
Salinity	Range / Resolution	0.01 to 80.0 ppt NaCl equivalent, 0.01 to 42 ppt practical salinity / 0.01
	Relative Accuracy	± 0.1 ± 1 digit
TDS	Range / Resolution	0 to 19999 / 1 mg/L
	Relative Accuracy	± 0.5 % ± 1 digit
DO	Concentration Range / Resolution	0.00 to 90.0 mg/L / 0.0, 0.00 mg/L
	% Saturation Range / Resolution	0.0 to 600% / 0, 0.0 %
	Concentration / % Saturation Relative Accuracy	± 0.2 mg/L / ± 2%
	Calibration Features / Probe Type	Water Saturated Air, Air Saturated Water, Manual (Winkler) and Zero Point / Polarographic
Temperature	Range / Resolution	- 5 to 105 °C / 0.1 up to 99.9 °C, 1.0 over 99.9 °C
	Relative Accuracy	± 0.1 °C

Meter Only

Cat. No.	Description
1218000	Includes meter, batteries and user's guide

Meter Kits

Cat. No. / Application	Sensor (s)	Accessories and Solutions
1218001 / FW	<ul style="list-style-type: none"> • 9107WMMD Low Maintenance Epoxy pH/ATC Triode with 3 m cable • 083010MD DO probe with 3 m cable and calibration sleeve • 013010MD DuraProbe K = 0.475 Conductivity probe with 3 m cable (1 µS/cm to 200 mS/cm) 	<ul style="list-style-type: none"> • Meter impact jacket with electrode storage chamber • Beaker • Star Navigator 21 software with RS232 computer cable • pH electrode storage solution (5 x 60 mL bottles) • pH 4.01, 7.00, 10.01 buffers (10 x 15 mL pouches) • DO probe maintenance kit - 080513 • Protective probe guard • 1413 µS/cm conductivity standard (10 x 15 mL pouches) • Hard field case
1218501 / FW	<ul style="list-style-type: none"> • 9107WMMD Low Maintenance Epoxy pH/ATC Triode with 3 m cable • 083010MD DO probe with 3 m cable and calibration sleeve • 013010MD DuraProbe K = 0.475 Conductivity probe with 3 m cable (1 µS/cm to 200 mS/cm) 	<ul style="list-style-type: none"> • Meter impact jacket with electrode storage chamber • Beaker • Star Navigator 21 software with RS232 computer cable • pH electrode storage solution (5 x 60 mL bottles) • pH 4.01, 7.00, 10.01 buffers (10 x 15 mL pouches) • DO probe maintenance kit - 080513 • Protective probe guard • 1413 µS/cm conductivity standard (10 x 15 mL pouches) • Soft field case
1218101 / FW	<ul style="list-style-type: none"> • 9107WMMD Low Maintenance Epoxy pH/ATC Triode with 3 m cable • 083010MD DO probe with 3 m cable and calibration sleeve • 013010MD DuraProbe K = 0.475 Conductivity probe with 3 m cable (1 µS/cm to 200 mS/cm) 	<ul style="list-style-type: none"> • Meter impact jacket with electrode storage chamber • Beaker • Star Navigator 21 software with RS232 computer cable • DO probe maintenance kit - 080513 • Protective probe guard

EPA Compliant with EPA testing method

USP Compliant with USP requirements