



Thermo Scientific Orion Star A122

Conductivity Portable Meter

Thermo Scientific Orion Star A122 Conductivity Portable Meters combine simplicity with accuracy. A large LCD displays conductivity or TDS readings along with temperature. Icons provide quick updates on battery life and completed calibration status. 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 conductivity or TDS reading, temperature in °C or °F, meter mode and battery life
- Don't miss a reading – AUTO-READ™ locks in the stable reading on your screen and ready indicator alerts when readings are stable
- Selectable cell constant
- Manual calibration or automatic calibration when using a Thermo Scientific Orion conductivity standard (sold separately)
- Selectable reading reference temperatures of 20 °C or 25 °C for an accurate result
- Non-volatile memory holds up to 50 data points
- Four AA batteries (included) provide over 2000 hours of operation or purchase the universal power adapter (sold separately) to run meter on AC power
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing
- 3 year meter replacement warranty





Product Specifications

CE TUV FCC		
Conductivity	Range	0.1 µS/cm to 200 mS/cm
	Resolution	0.01 µS minimum; 3 significant figures minimum
	Relative Accuracy	0.5 % reading ±1 digit
	Reference Temperature	20, 25 °C (default)
	Temperature Compensation	Linear (0.0 to 10.0 %/°C)
	Compatible Cell Constants	0.001 to 10
	Calibration Points	1
TDS	Range	1 to 19,999 mg/L
	Resolution	4 significant digits
	Relative Accuracy	0.5 % reading ±1 digit
	TDS Factor Range	Linear, 0.01 to 10.00, default 0.49
Temperature	Range	-5 to 105 °C, 23 to 221 °F
	Resolution	0.1
	Relative Accuracy	±0.1
	Offset Calibration	Yes
Datalogging	Number of Datalogs	50
	Log Function	Manual, Automatic with AUTO-READ™
Inputs	Conductivity	8-pin mini-DIN
Power	AC Adapter	Optional – universal, 100-240 VAC
	Battery Power	Included – 4 AAs
	Battery Life	2000 hrs

Meter Ordering Information

Cat. No.	Description
STARA1220	Orion Star A122 Conductivity Portable Meter - Four AA batteries (installed)
STARA1225	Orion Star A122 Conductivity Portable Meter Kit - 011050MD Orion conductivity cell, K=1.0 - 011007 conductivity standard, 1413 µS, 5 x 60 mL - 911110 rinse solution, 10 pouches - Protective armor with electrode holder - Hard carrying case - Four AA batteries (installed)

Accessories

Cat. No.	Description
STARA-CS	Hard carrying case for Orion Star A-series portable meters
STARA-AR	Armor for Orion Star A-series portable meters, includes electrode holders for pH, conductivity and DO probes
STARA-ESCD	Conductivity and DO probe holder for Orion Star A-series armor
STARA-ESPH	pH electrode holder for Orion Star A-series armor
011050MD	Orion 2-electrode conductivity cell, K=1.0
1010003	Optional universal power adapter, 100-240 V, 50/60 Hz
011008	Orion conductivity standard, 100 µS/cm, 5 x 60 mL bottles
01100710	Orion conductivity standard pouches, 1413 µS/cm, 10/pk
01100610	Orion conductivity standard pouches, 12.9 mS/cm, 10/pk
911110	Rinse solution, 10/pk
1010001	Orion conductivity calibration resistor kit

pH

ISE

ORP

Cond

RDO

DO

Temp