

Specifications:

Range	pH/mV of pH input	0.00 to 14.00 pH/±600.0 mV
	ORP mV	±2000.0 mV
	Ammonium-Nitrogen	0.02 to 200 ppm (as N)
	Chloride	0.6 to 200 ppm
	Nitrate-Nitrogen	0.62 to 200 ppm (as N)
	Conductivity	0 to 200 mS/cm (absolute EC up to 400 mS/cm)
	TDS	0 to 400000 mg/L or ppm (the maximum value depends on the TDS factor)
	Resistivity	0 to 999999 Ω•cm; 0 to 1000.0 kΩ•cm; 0 to 1.0000 MΩ•cm
	Salinity	0.00 to 70.00 PSU
	Seawater σ	0 to 50.0 σ _t , σ ₀ , σ ₁₅
	Turbidity	0.0 to 99.9 FNU; 100 to 1000 FNU
	Dissolved Oxygen	0.0 to 500.0%; 0.00 to 50.00 ppm
	Atm. Pressure	450 to 850 mm Hg; 17.72 to 33.46 in Hg; 600.0 to 1133.2 mbar; 8.702 to 16.436 psi; 0.5921 to 1.1184 atm; 60.00 to 113.32 kPa
	Temperature	-5.00 to 55.00°C; 23.00 to 131.00°F; 268.15 to 328.15K
Resolution	pH/mV of pH input	0.01 pH / 0.1 mV
	ORP mV	0.1 mV
	Ammonium-Nitrogen	0.01 ppm to 1 ppm; 0.1 ppm to 200 ppm
	Chloride	0.01 ppm to 1 ppm; 0.1 ppm to 200 ppm
	Nitrate-Nitrogen	0.01 ppm to 1 ppm; 0.1 ppm to 200 ppm
	Conductivity	<i>manual</i> : 1 μS/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm; 1 mS/cm; <i>automatic</i> : 1 μS/cm from 0 to 9999 μS/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 100.0 to 400.0 mS/cm; <i>automatic mS/cm</i> : 0.001 mS/cm from 0.000 to 9.999 mS/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 100.0 to 400.0 mS/cm
	TDS	<i>manual</i> : 1 mg/L (ppm); 0.001 g/L (ppt); 0.01 g/L (ppt); 0.1 g/L (ppt); 1 g/L (ppt); <i>autorange scales</i> : 1 mg/L (ppm) from 0 to 9999 mg/L (ppm); 0.01 g/L (ppt) from 10.00 to 99.99 g/L (ppt); 0.1 g/L (ppt) from 100.0 to 400.0 g/L (ppt); <i>autorange g/L (ppt) scales</i> : 0.001 g/L (ppt) from 0.000 to 9.999 g/L (ppt); 0.01 g/L (ppt) from 10.00 to 99.99 g/L (ppt); 0.1 g/L (ppt) from 100.0 to 400.0 g/L (ppt)
	Resistivity	dependent on resistivity reading
	Salinity	0.01 PSU
	Seawater σ	0.1 σ _t , σ ₀ , σ ₁₅

	Turbidity	0.1 FNU from 0.0 to 99.9 FNU; 1 FNU from 100 to 1000 FNU
	Dissolved Oxygen	0.1%; 0.01 ppm
	Atm. Pressure	0.1 mm Hg; 0.01 in Hg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa
	Temperature	0.01°C; 0.01°F; 0.01K
Accuracy @ 20°C	pH/mV of pH input	±0.02 pH / ±0.5 mV
	ORP mV	±1.0 mV
	Ammonium-Nitrogen	±5% of reading or 2 ppm, whichever is greater
	Chloride	±5% of reading or 2 ppm, whichever is greater
	Nitrate-Nitrogen	±5% of reading or 2 ppm, whichever is greater
	Conductivity	±1% of reading or ±1 µS/cm, whichever is greater
	TDS	±1% of reading or ±1 mg/L, whichever is greater
	Salinity	±2% of reading or ±0.01 PSU, whichever is greater
	Seawater σ	±1 σ_t , σ_0 , σ_{15}
	Turbidity	±0.3 FNU or ±2% of reading, whichever is greater
	Dissolved Oxygen	0.0 to 300.0%: ±1.5% of reading or ±1.0% whichever is greater; 300.0 to 500.0%: ±3% of reading; 0.00 to 30.00 ppm: ±1.5% of reading or 0.10 ppm, whichever is greater; 30.00 ppm to 50.00 ppm: ±3% of reading
	Atm. Pressure	±3 mm Hg within ±15°C from the temperature during calibration
	Temperature	±0.15°C; ±0.27°F; ±0.15K
Temperature Compensation		automatic from -5 to 55°C (23 to 131°F)
Logging Memory from Meter		44,000 records
Logging Interval		1 second to 3 hours
Computer Interface		USB (with HI 929829 software)
FastTracker™ TAG ID		yes
Waterproof Protection		IP67
Environment		0 to 50°C (32 to 122°F); RH 100%
Power Supply		1.5V alkaline C cells (4) / 1.2V NiMH rechargeable C cells (4), USB, 12V power adapter
Dimensions		221 x 115 x 55 mm (8.7 x 4.5 x 2.2")
Weight		750g (26.5 oz.)