

SPECIFICATIONS		HI 9828
pH	Range	0.00 to 14.00 pH
	Resolution	0.01 pH
	Accuracy	±0.02 pH
mV of pH input	Range	±600.0 mV
	Resolution	0.1 mV
	Accuracy	±0.5 mV
ORP	Range	±2000.0 mV
	Resolution	0.1 mV
	Accuracy	±1.0 mV
Dissolved Oxygen	Range	0.0 to 500.0% / 0.00 to 50.00 mg/L
	Resolution	0.1% / 0.01 mg/L
	Accuracy	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 mg/L: ±1.5% of reading or 0.10 mg/L whichever is greater; 30.00 mg/L to 50.00 mg/L: ±3% of reading
Conductivity	Range	0.000 to 200.000 mS/cm (actual EC up to 400 mS/cm) Manual: 1 µS/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm; 1 mS/cm
	Resolution	Automatic: 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 Automatic mS/cm: 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
	Accuracy	±1% of reading or ±1 µS/cm whichever is greater
Resistivity	Range	0 to 999999 Ω•cm; 0 to 1000.0 kΩ•cm; 0 to 1.0000 MΩ•cm
	Resolution	Dependent on resistivity reading
	Range	0 to 400000 mg/L or ppm (the maximum value depends on the TDS factor) Manual: 1 mg/L (ppm); 0.001 g/L (ppt); 0.01 g/L (ppt); 0.1 g/L (ppt); 1 g/L (ppt)
TDS	Resolution	Auto-range scales: 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) Auto-range g/L (ppt) scales: 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)
	Accuracy	±1% of reading or ±1 mg/L
	Range	0.00 to 70.00 PSU (extended Practical Salinity Scale)
Salinity	Resolution	0.01 PSU
	Accuracy	±2% of reading or 0.01 PSU whichever is greater
	Range	0.0 to 50.0 σ _t , σ ₀ , σ ₁₅
Seawater Specific Gravity	Resolution	0.1 σ _t , σ ₀ , σ ₁₅
	Accuracy	±1 σ _t , σ ₀ , σ ₁₅
	Range	450 to 850 mmHg; 17.72 to 33.46 inHg; 600.0 to 1133.2 mbar; 8.702 to 16.436 psi; 0.5921 to 1.1184 atm; 60.00 to 113.32 kPa
Atm. Pressure	Resolution	0.1 mmHg; 0.01 inHg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa
	Accuracy	±3 mmHg within ±15°C from the temperature during calibration
	Range	-5.00 to 55.00°C; 23.00 to 131.00°F; 268.15 to 328.15K
Temperature	Resolution	0.01°C; 0.01°F; 0.01K
	Accuracy	±0.15°C; ±0.27°F; ±0.15K
	pH	Automatic 1, 2, or 3 points with 5 memorized standard buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01) or 1 custom buffer
Calibration	ORP	Automatic at 1 custom point
	Conductivity, Salinity	Automatic 1 point with 6 memorized standards (84 µS/cm, 1413 µS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm) or custom point
	D.O.	Automatic 1 or 2 points at 0, 100% or 1 custom point
	Resistivity, TDS, σ	Based on conductivity or salinity calibration
	Atmos. Pressure	Automatic at 1 custom point
	Temperature	Automatic at 1 custom point
	Temperature Compensation	Automatic from -5 to 55°C (23 to 131°F)
Logging Memory	Up to 60000 samples with 13 measurements each	
Logging Interval	1 second to 3 hours	
Computer Interface	USB (with HI 92000 software)	
Waterproof Protection	Meter IP67, Probe IP68	
Environment	0 to 50°C (32 to 122°F); RH 100%	
Power Supply	(4) 1.5V alkaline C cells (approx. 150 hours of continuous use without backlight)/ (4) 1.2V rechargeable C cells (approx. 70 hours of continuous use without backlight)	
Dimensions	Meter: 221 x 115 x 55 mm (8.7 x 4.5 x 2.2"); Probe: 270 x 46 mm DIA (10.6 x 1.8" DIA)	
Weight	Meter: 750g (26.5 oz.); Probe: 750g (26.5 oz.)	

ORDERING INFORMATION

HI 9828 is supplied with HI 769828 pH/ORP/DO/EC/temperature probe; HI 9828-25 quick calibration standard solution, 500 mL; probe maintenance kit; (4) rechargeable C size, Ni-MH batteries; power adapter & cable; car 12V accessory outlet adapter; (5) iButton's with holder; HI 7698281 USB interface cable; HI 92000 Windows® compatible software and instruction manual in a rugged carrying case.