

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 Accuracy 0.0 to 300.0%: $\pm 1.5\%$ of reading or $\pm 1.0\%$ whichever is greater; 300.0 to 500.0%: $\pm 3\%$ of reading; 0.00 to 30.00 mg/L: $\pm 1.5\%$ of reading or 0.10 mg/L whichever is greater; 30.00 mg/L to 50.00 mg/L: $\pm 3\%$ of reading	Resolution 0.1% / 0.01 mg/L	
Conductivity	Range 0.000 to 200.000 mS/cm (actual EC up to 400 mS/cm) Resolution Manual: 1 μ S/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm; 1 mS/cm Automatic: 1 μ S/cm from 0 to 9999 μ S/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 $\pm 1\%$ of reading or ± 1 μ S/cm whichever is greater		
Resistivity	Range 0 to 999999 W \bullet cm; 0 to 1000.0 kW \bullet cm; 0 to 1.0000 MW \bullet cm	Resolution Dependent on resistivity reading	
TDS	Range 0 to 400000 mg/L or ppm (the maximum value depends on the TDS factor) Resolution Manual: 1 mg/L (ppm); 0.001 g/L (ppt); 0.01 g/L (ppt); 0.1 g/L (ppt); 1 g/L (ppt) 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 $\pm 1\%$ of reading or ± 1 mg/L		
Salinity	Range 0.00 to 70.00 PSU (extended Practical Salinity Scale) Accuracy $\pm 2\%$ of reading or 0.01 PSU whichever is greater	Resolution 0.01 PSU	
Seawater Specific Gravity	Range 0.0 to 50.0 st, s0, s15	Resolution 0.1 st, s0, s15	Accuracy ± 1 st, s0, s15
Atm. Pressure	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 Resolution 0.1 mmHg; 0.01 inHg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa Accuracy ± 3 mmHg within $\pm 15^\circ\text{C}$ from the temperature during calibration		
Temperature	Range -5.00 to 55.00°C ; 23.00 to 131.00°F ; 268.15 to 328.15K Accuracy $\pm 0.15^\circ\text{C}$; $\pm 0.27^\circ\text{F}$; $\pm 0.15\text{K}$	Resolution 0.01°C ; 0.01°F ; 0.01K	
Calibration	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 ORP Automatic at 1 custom point Conductivity, Salinity Automatic 1 point with 6 memorized standards (84 μ S/cm, 1413 μ S/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, s 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; Probe: 270 x 46 mm DIA		
Weight:	Meter: 750g; Probe: 750g		



Hanna Instruments Limited
Eden Way, Pages Industrial Park,
Leighton Buzzard, Bedfordshire, LU7 4AD.
Telephone: 08707 260010 Fax: 08707 260030
Email: sales@hannainst.co.uk
Web: www.hannainst.co.uk