

# Multi-parameter pH/ORP/EC/TDS/Salinity/DO/Pressure /Temperature Waterproof Meter - HI98194

## Specifications

<b>pH</b>	Range	0.00 to 14.00 pH
	Resolution	0,01
	Accuracy	±0.02 pH
	Calibration	automatic one, two, or three points with automatic recognition of five standard buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01) or one custom buffer
<b>ORP</b>	Range	±2000.0 mV
	Resolution	0.1 mV
	Accuracy	±1.0 mV
	Calibration	automatic at one custom point (relative mV)
<b>mV</b>	Range	±600.0 mV
	Resolution	0.1 mV
	Accuracy	±0.5 mV
<b>EC/TDS</b>	Range	0 to 200 mS/cm (absolute EC up to 400 mS/cm)
	Resolution	auto-ranging: 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; auto-ranging (fixed mS/cm): 0.001 mS/cm from 0.000 to 9.999 mS/cm; 0.01 from 100.0 to 400.0 mS/cm ; manual: 1 µS/cm; 0.001 mS/cm; 0.01
	Accuracy	±1% of reading or ±1 µS/cm whichever is greater

	Calibration	automatic single point, with six standard solutions (84 $\mu\text{S}/\text{cm}$ , 1413 $\mu\text{S}/\text{cm}$ , 5.00 $\text{mS}/\text{cm}$ , 12.88 $\text{mS}/\text{cm}$ , 80.0 $\text{mS}/\text{cm}$ , 111.8 $\text{mS}/\text{cm}$ ) or custom point
	TDS Range	0 to 400000 ppm (mg/L); (the maximum value depends on the TDS factor)
	TDS Resolution	manual: 1 ppm (mg/L); 0.001 ppt (g/L); 0.01 ppt (g/L); 0.1 ppt (g/L); 1 ppt (g/L); auto-ranging: 1 ppm (mg/L) from 0 to 9999 ppm (mg/L); 0.01 ppt (g/L) from 10.00 to 99.99 ppt (g/L); 0.1 ppt (g/L) from 100.0 to 400.0 ppt (g/L); auto-ranging (fixed ppt):
<b>Salinity, Seawater</b>	Salinity (PSU) Range	0.00 to 70.00 PSU
	Salinity (PSU) Resolution	0.01 PSU
<b>Resistivity</b>	Range	0 to 999999 $\Omega\cdot\text{cm}$ ; 0 to 1000.0 $\text{k}\Omega\cdot\text{cm}$ ; 0 to 1.0000 $\text{M}\Omega\cdot\text{cm}$
	Resolution	dependent on resistivity reading
<b>Oxygen, Dissolved</b>	Range	0.0 to 500.0%; 0.00 to 50.00 ppm (mg/L)
	Resolution	0.1%; 0.01 ppm (mg/L)
<b>Atmospheric Pressure</b>	Range	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
	Resolution	0.1 mm Hg; 0.01 in Hg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa
<b>Temperature</b>	Range	-5.00 to 55.00°C; 23.00 to 131.00°F; 268.15 to 328.15K
	Resolution	0.01 K, 0.01 °C, 0.01 °F