

<b>pH Range</b>	0.00 to 14.00 pH
<b>pH Resolution</b>	0.01 pH
<b>pH Accuracy</b>	±0.02 pH
<b>pH Calibration</b>	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>mV Range</b>	±600.0 mV
<b>mV Resolution</b>	0.1 mV
<b>mV Accuracy</b>	±0.5 mV
<b>ORP Range</b>	±2000.0 mV
<b>ORP Resolution</b>	0.1 mV
<b>ORP Accuracy</b>	±1.0 mV
<b>ORP Calibration</b>	automatic at one custom point (relative mV)
<b>EC Range</b>	0 to 9999 µS/cm; 0.000 to 200.0 mS/cm (absolute EC up to 400.0 mS/cm)
<b>EC Resolution</b>	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
<b>EC Accuracy</b>	±1% of reading or ±1 µS/cm whichever is greater
<b>EC Calibration</b>	automatic single point, with six standard solutions (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
<b>TDS Range</b>	0 to 9999 ppm (mg/L); 0.000 to 400.0 ppt (g/L) (maximum value depends on TDS factor)
<b>TDS Resolution</b>	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>TDS Accuracy</b>	±1% of reading or ±1 ppm (mg/L), whichever is greater
<b>TDS Calibration</b>	based on conductivity calibration
<b>Resistivity Range</b>	0 to 999999 Ω•cm; 0 to 1000.0 kΩ•cm; 0 to 1.0000 MΩ•cm
<b>Resistivity Resolution</b>	dependent on resistivity reading
<b>Resistivity</b>	based on conductivity calibration

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**Calibration**

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**Salinity Range** 0.00 to 70.00 PSU**Salinity Resolution** 0.01 PSU**Salinity Accuracy**  $\pm 2\%$  of reading or  $\pm 0.01$  PSU whichever is greater**Salinity Calibration** based on conductivity calibration**Seawater  $\sigma$  Range** 0.0 to 50.0  $\sigma_t$ ,  $\sigma_0$ ,  $\sigma_{15}$ **Seawater  $\sigma$  Resolution** 0.1  $\sigma_t$ ,  $\sigma_0$ ,  $\sigma_{15}$ **Seawater  $\sigma$  Accuracy**  $\pm 1$   $\sigma_t$ ,  $\sigma_0$ ,  $\sigma_{15}$ **Seawater  $\sigma$  Calibration** based on conductivity calibration**DO Range** 0.0 to 500.0%; 0.00 to 50.00 ppm (mg/L)**DO Resolution** 0.1%; 0.01 ppm (mg/L)**DO Accuracy** 0.0 to 300.0% saturation:  $\pm 1.5\%$  of reading or  $\pm 1.0\%$  saturation whichever is greater, 0.00 to 30.00 ppm (mg/L):  $\pm 1.5\%$  of reading or  $\pm 0.10$  ppm (mg/L), whichever is greater, 30.00 ppm (mg/L) to 50.00 ppm (mg/L):  $\pm 3\%$  of reading, 300.0 to 500.0% saturation:  $\pm 3\%$  of reading**DO Calibration** automatic one or two points at 0 and 100% or one custom point**Atmospheric Pressure 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**Atmospheric Pressure Resolution** 0.1 mm Hg; 0.01 in Hg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa**Atmospheric Pressure Accuracy**  $\pm 3$  mm Hg within  $\pm 15^\circ\text{C}$  from the temperature during calibration**Atmospheric Pressure Calibration** automatic at one custom point**Temperature Range** -5.00 to 55.00  $^\circ\text{C}$ , 23.00 to 131.00  $^\circ\text{F}$ , 268.15 to 328.15 K

<b>Temperature Resolution</b>	0.01 K, 0.01 °C, 0.01 °F
<b>Temperature Accuracy</b>	±0.15 °C; ±0.27 °F; ±0.15 K
<b>Temperature Calibration</b>	automatic at one custom point
<b>Temperature Compensation</b>	automatic from -5 to 55 °C (23 to 131 °F)
<b>Logging Memory</b>	45,000 records (continuous logging or log-on-demand of all parameters)
<b>Logging Interval</b>	one second to three hours
<b>PC Connectivity</b>	USB to PC with HI9298194 Hanna software installed
<b>Battery Type/Life</b>	1.5V AA batteries (4) / approximately 360 hours of continuous use without backlight (50 hours with backlight)
<b>Environment</b>	0 to 50°C (32 to 122°F); RH 100% (IP67)
<b>Dimensions</b>	185 x 93 x 35.2 mm (7.3 x 3.6 x 1.4")
<b>Weight</b>	400 g (14.2 oz.)
<b>Ordering Information</b>	HI98194 is supplied with HI7698194 probe, HI7698194-1 pH/ORP sensor, HI7698194-3 EC sensor, HI7698194-2 DO sensor, HI 76981942 Probe maintenance kit (HI 7042S DO electrolyte solution, DO membrane caps (5), O-rings for sensors (5), syringe with grease to lubricate the O-rings), HI9298194 Hanna PC software, HI920015 micro USB cable, 1.5V AA batteries (4), instruction manual, quick start guide, quality certificate, and rugged carrying case with custom thermoformed insert.