

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

Calibration

Salinity Range 0.00 to 70.00 PSU**Salinity Resolution** 0.01 PSU**Salinity Accuracy** $\pm 2\%$ of reading or ± 0.01 PSU whichever is greater**Salinity Calibration** based on conductivity calibration**Seawater σ Range** 0.0 to 50.0 σ_t , σ_0 , σ_{15} **Seawater σ Resolution** 0.1 σ_t , σ_0 , σ_{15} **Seawater σ Accuracy** ± 1 σ_t , σ_0 , σ_{15} **Seawater σ Calibration** based on conductivity calibration**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** ± 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**Temperature Resolution** 0.01 K, 0.01 $^\circ\text{C}$, 0.01 $^\circ\text{F}$ **Temperature Accuracy** ± 0.15 $^\circ\text{C}$; ± 0.27 $^\circ\text{F}$; ± 0.15 K**Temperature Calibration** automatic at one custom point**Temperature Compensation** automatic from -5 to 55 $^\circ\text{C}$ (23 to 131 $^\circ\text{F}$)

Logging Memory	45,000 records (continuous logging or log-on-demand of all parameters)
Logging Interval	one second to three hours
PC Connectivity	USB to PC with HI9298194 Hanna software installed
Battery Type/Life	1.5V AA batteries (4) / approximately 360 hours of continuous use without backlight (50 hours with backlight)
Environment	0 to 50°C (32 to 122°F); RH 100% (IP67)
Dimensions	185 x 93 x 35.2 mm (7.3 x 3.6 x 1.4")
Weight	400 g (14.2 oz.)
Ordering Information	HI98195 is supplied with HI7698195 probe, HI7698194-1 pH/ORP sensor, HI7698194-3 EC sensor, HI 76981952 Probe maintenance kit (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.