







HI 991300C • HI 991301C

pH/Conductivity/TDS/Temperature Waterproof Meters

Hanna offers you a choice of two instruments to meet your water testing requirements. The HI 991300C and HI 991301C offer you the combination of pH, conductivity, TDS and temperature measurements in °F or °C. To increase accuracy, select the instrument that works best with your range of measurement.

With only two buttons, the user can select testing parameters, calibrate the sensor, and change the TDS factor and temperature coefficient (BETA). The housing is waterproof and rated for IP 67 conditions. The multi-functional industrial probe houses the pH and conductivity sensor along with an integrated solid state amplifier to eliminate noise and interference.

The HI 991300C and HI 991301C are supplied with a shockproof rubber boot for maximum impact protection and a rugged carrying case.



Specifications	HI 991300C	HI 991301C
Range pH	0.00 to 14.00	0.00 to 14.00
Conductivity	0 to 3999 μS/cm	0.00 to 20.00 mS/cm
TDS	0 to 2000 ppm	0.00 to 10.00 ppt
Temperature	32.0 to 140.0°F or 0.0 to 60.0°C	32.0 to 140.0°F or 0.0 to 60.0°C
Resolution pH	0.01	0.01
Conductivity	1 μS/cm	0.01 mS/cm
TDS	1 ppm	0.01 ppt
Temperature	0.1°F or 0.1°C	0.1°F or 0.1°C
Accuracy (@ 20°C/68°F) pH	±0.01	±0.01
Conductivity/TDS	±2% F.S.	±2% F.S.
Temperature	±1.0°F or ±0.5°C	$\pm 1.0^{\circ} F$ or $\pm 0.5^{\circ} C$
Typical EMC Deviation pH	±0.03	±0.03
Conductivity/TDS	±2% F.S.	±2% F.S.
Temperature	±1.0°F or ±0.5°C	$\pm 1.0^{\circ} F$ or $\pm 0.5^{\circ} C$
Conductivity/TDS Ratio	Selectable from 0.45 to 1.00 (0.50 default); step is of 0.01 unit	
pH Calibration	Automatic 1 or 2 points with 2 sets of memorized standard buffers (pH 4.01, 7.01, 10.01, or pH 4.01, 6.86, 9.18)	
Conductivity/TDS Calibration	Automatic 1 point at 1382 ppm (conv. =0.5);	Automatic 1 point at 6.44 ppt (conv. =0.5);
	1500 ppm (conv.=0.7); 1413 μS/cm (others)	9.02 ppt (conv.=0.7); 12880 μS/cm (others)
Temperature Compensation	pH: Automatic from 0 to 60°C; EC/TDS: Automatic from 0 to 60°C with a selectable β from 0.0 to 2.4% per °C (1.9 default); step is 0.1 unit	
Probe	HI 1288 pH/conductivity/TDS probe with built-in temperature sensor, DIN connector and 1 m (3.3') cable (included)	
Environment	32 to 122°F (0 to 50°C); RH 100%	
Battery Type/Life	4 x 1.5V AAA/approximately 500 hours of continuous use	
Dimensions	5.6 x 3.1 x 1.5" (143 x 80 x 38 mm)	
Weight	11.3 o	z. (320 g)

Ordering Information

HI 991300C is supplied complete with HI 1288 pH/EC/TDS/°C probe, batteries, shockproof rubber boot, and instruction manual in a hard carrying case.

HI 991301C is supplied complete with HI 1288 pH/EC/TDS/°C probe, batteries, shockproof rubber boot, and instruction manual in a hard carrying case.

Recommended Accessories

HI 1288	pH/conductivity/TDS/°C probe
HI 70004P.	pH 4.01 cal. sol., 25 x .68 oz. (20 mL)
HI 70030P	12880 µS/cm cal. sol., 25 x .68 oz. (20 mL)
HI 70007P .	pH 7.01 cal. sol., 25 x .68 oz. (20 mL)
HI 77100P .	1413 μS/cm & pH 7 sol., .68 oz. (20 mL), 10 pcs ea.
HI 70010P .	pH 10.01 cal. sol., 25 x .68 oz. (20 mL)

Hanna Solutions are available in different sizes to fit any application.

HI 77300P	1382 ppm & pH 7 sol., .68 oz. (20 mL), 10 pcs ea.
HI 77400P	
HI 70038P	6.44 ppt cal. sol., 25 x .68 oz. (20 mL)
HI 710008	Orange shockproof rubber boot
HI 77200P	1500 ppm & pH 7 sol., 20 mL, 10 pcs ea.
HI 710004	Soft carrying case





Authorized Distributor