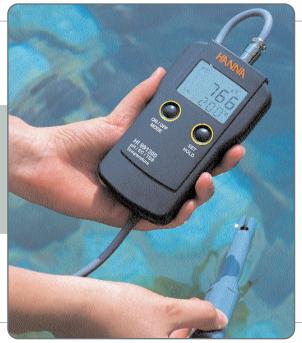


HI 991300 and HI 991301

4-in-1: pH/EC/TDS/Temperature in a Waterproof Casing



Features ...

Welcome the new generation of unparalleled versatility and simplicity in pH, EC, and TDS measurements. Hanna offers you a choice of 2 meters to meet your exacting requirements. The HI 991300 and HI 991301 offer you the combination of pH, electro-conductivity, total dissolved solids and temperature measurements. To increase precision, you can select the meter which will work best with your range of conductivity, from purified to brackish waters. There are only 2 buttons, yet you can select from a range of calibration buffers and even the temperature scale (°C or °F) most familiar to you. The housing is waterproof and rated for IP 67 conditions. The multi-functional probe includes pH, EC/TDS and temperature in one convenient, rugged handle.

Other user selectable features include different TDS factors from 0.45 to 1.00, and a range of temperature coefficients (β) from 0.0 to 2.4% for greater consistency and reproducibility. Also selectable are standardized buffer recognition values. To ensure against interference from transient electrical noise, a solid-state amplifier is integrated into the probe.

... and Benefits

Specifications	HI 991300	HI 991301	
Range pH EC TDS Temperature	0.00 to 14.00 0 to 3999 μS/cm 0 to 2000 ppm 0.0 to 60.0°C or 32.0 to 140.0°F	0.00 to 14.00 0.00 to 20.00 mS/cm 0.00 to 10.00 ppt 0.0 to 60.0°C or 32.0 to 140.0°F	
Resolution pH EC TDS Temperature	0.01 1 µS/cm 1 ppm 0.1°C or 0.1°F	0.01 0.01 mS/cm 0.01 ppt 0.1°C or 0.1°F	
Accuracy (@20°C/68°F) pH EC TDS Temperature	±0.01 ±2% F.S. ±2% F.S. ±0.5°C or ±1.0°F		
Typical EMC Deviation pH EC TDS Temperature	±0.03 ±2% F.S. ±2% F.S. +0.5°C or +1.0°F		
EC/TDS Ratios	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 4.01, 6.86, 9.18)		
EC/TDS Calibration	Automatic 1 point at 1382 ppm (conv.=0.5); 1500 ppm (conv.=0.7); 1413 µS/cm (others)		
Temperature Compensation pH EC/TDS	Automatic from 0 to 60 °C 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/EC/TDS probe with built-in temperature sensor, DIN connector and 1 m (3.3') cable (included)		
Battery Type / Life	4 x 1.5V AAA / approximately 500 hours of continuous use		
Environment	0 to 50°C (32 to 122 °F); RH 100%		

Ordering Information

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

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

For a complete range of calibration and maintenance solutions see pages G17-G18 and section F.

For a comprehensive list of accessories see section U.

Accessories

HI 1288	pH/EC/TDS/°C probe	HI 70038P	6.44 ppt cal. sol. (25 x 20 mL)
HI 710004	Soft carrying case	HI 77100P	1413 µS & pH 7 sol., 20 mL, 10 pcs each
HI 710007	Blue shockproof rubber boot	HI 77200P	1500 ppm & pH 7 sol., 20 mL, 10 pcs each
HI 710008	Orange shockproof rubber boot	HI 77300P	1382 ppm & pH 7 sol., 20 mL, 10 pcs each
HI 70030P	12880 µS cal. sol. (25 x 20 mL)	HI 77400P	pH 4 & 7 sol., 20 mL, 5 pcs each

143 x 80 x 38 mm (5.6 x 3.1 x 1.5")

320g (11.3 oz.)



Dimensions

Weight