

Low / High Range Waterproof pH/EC/TDS/°C Meters from HANNA

HI-991300
HI-991301

Three key parameters - in one tough instrument

Key Features



Rubberised keys for use in harsh conditions



Large display with clear digits



Supplied with probe and 1m cable



Rugged carrying case keeps meter and probe safe

Product Uses



Drinking water



Environmental testing



Swimming pools



Printing applications

The Hanna HI-991300 and HI-991301 Low and High Rangemeters each wrap pH, Conductivity, TDS and temperature into a single meter with a simple two button operation that is easy to use even in tough weather conditions.

Main Benefits

- Three parameters plus temperature – all in one meter using one probe
- Tutorial messages for calibration and set up on clear LCD display
- Probe connection on bottom of case for better balance
- Designed for use in tough weather conditions
- Automatic temperature compensation



The difference between the two meters lies in the Conductivity and TDS range

HI-991300 - low range

Range: 0 to 3999 $\mu\text{S}/\text{cm}$; 0 to 2000 ppm plus pH & temperature

HI-991301 - high range

Range: 0.00 to 20.00 mS/cm ; 0.00 to 10.00 ppt plus pH & temperature

Product Specifications

Product Code		HI-991300	HI-991301
Range	pH	0.00 to 14.00 pH	0.00 to 14.00 pH
	EC	0 to 3999 $\mu\text{S}/\text{cm}$	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm (mg/L)	0.00 to 10.00 ppt (g/L)
	Temperature	0.0 to 60.0 °C	0.0 to 60.0 °C
	Resolution	pH EC TDS Temperature	0.01 pH 1 $\mu\text{S}/\text{cm}$ 1 ppm 0.1 °C
Accuracy (@20°C)	pH		± 0.01 pH
	EC		$\pm 2\%$ F.S.
	TDS		$\pm 2\%$ F.S.
	Temperature		± 0.5 °C
TDS Conversion Factor		selectable 0.45 to 1.00 with 0.01 increments (default 0.50)	
Calibration	pH	automatic at 1 or 2 points with 2 sets of memorised standard buffers (pH 4.01/7.01/10.01 or pH 4.01/6.86/9.18)	
	EC	automatic, 1 point at 1382 ppm (CONV 0.5) at 1500 ppm (CONV 0.7) at 1413 $\mu\text{S}/\text{cm}$ (others)	automatic, 1 point at 6.44 ppt (CONV 0.5) at 9.02 ppt (CONV 0.7) at 12880 $\mu\text{S}/\text{cm}$ (others)
Temperature Compensation	pH EC/TDS	automatic with selectable β from 0.0 to 2.4%°C with 0.1 increments	
Battery Type/Life		(3) 1.5V AAA / approximately 500 hours of continuous use with auto-off after 8 minutes	
Dimensions		152 x 58 x 30 mm	
Weight		205g	



Hanna Instruments Ltd
Eden Way, Pages Industrial Park
Leighton Buzzard
Bedfordshire LU7 4AD

Telephone: 01525 850 855
Fax: 01525 853 668
Email: sales@hannainst.co.uk
Website: www.hannainst.co.uk