

HI991300 • HI991301

## pH/EC/TDS/ Temperature Meters

- **ATC**
  - Automatic temperature compensation
- **Two-point calibration**
  - One to two-point calibration
- **BEPS**
  - Alerts the user of low battery power that could adversely affect reading
- **Sensor Check™**
  - Auto-recognition of all sensors
- **Battery indicator**
  - Indicates how much battery life is in the instrument
- **Help feature**
  - On-screen tutorial messages
- **Hold feature**
  - Freezes readings on the display for manual recording

HI991300 and HI991301 have been designed to offer you pH, conductivity, total dissolved solids and temperature measurements in a slim, lightweight, portable unit. From purified to brine water measurement, you can select the meter which will work best with your range of conductivity for greater precision.

There are only two 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 IP67 conditions.

The HI1288 pre-amplified multiparameter probe features an easy to clean sensor and a cloth junction that can be pulled longer to increase the life of the probe. To ensure against interference from transient electrical noise, a solid-state amplifier is integrated into the HI1288.

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. Standardized buffer recognition values are also selectable.

These instruments easily fit in the palm of your hand and the bottom probe connection ensures the electrode cable doesn't get in your way. The large, multi-level LCD displays the primary reading, temperature and calibration guides simultaneously.



**HANNA**  
instruments

## HI1288 Multiparameter Probe

The HI1288 multiparameter probe includes pH/EC/TDS and temperature measurements. A solid-state pre-amplifier is integrated into the probe to protect against interference from transient electrical noise.

- Amperometric conductivity probe
- Built-in temperature sensor
- Easy to clean
  - The sensor is easy to clean and keep clean by design
- pH sensor with extendable cloth junction
  - Cloth junctions allow the user to refresh the junction, effectively increasing the life of the probe



Specifications		HI991300	HI991301
pH	Range	0 to 14.00 pH	0 to 14.00 pH
	Resolution	0.01 pH	0.01 pH
	Accuracy	±0.01 pH	±0.01 pH
EC	Range	0 to 3999 µS/cm	0.00 to 20.00 mS/cm
	Resolution	1 µS/cm	0.01 mS/cm
	Accuracy	±2% F.S.	±2% F.S.
TDS	Range	0 to 2000 ppm (mg/L)	0.00 to 10.00 ppt (g/L)
	Resolution	1 ppm (mg/L)	0.01 ppt (g/L)
	Accuracy	±2% F.S.	±2% F.S.
Temperature	Range	0.0 to 60.0°C/32.0 to 140.0°F	0.0 to 60.0°C/32.0 to 140.0°F
	Resolution	0.1°C/0.1°F	0.1°C/0.1°F
	Accuracy	±0.5°C/±1°F	±0.5°C/±1°F
Additional Specifications	pH Calibration	automatic, one or two point calibration with two sets of memorized buffers (Standard 4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18)	automatic, one or two point calibration with two sets of memorized buffers (Standard 4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18)
	EC/TDS Calibration	automatic one point at: 1382 ppm (CONV=0.5) or 1500 ppm(CONV=0.7) or 1413 µS/cm	automatic one point at: 6.44 ppt (CONV=0.5) or 9.02 ppt (CONV=0.7) or 12880 µS/cm
	pH Temp. Compensation	automatic	automatic
	EC/TDS Temperature Compensation	automatic with β selectable from 0.0-2.4%/°C with 0.1 increments	automatic with β selectable from 0.0-2.4%/°C with 0.1 increments
	TDS Conversion Factor	selectable from 0.45 to 1.00 with 0.01 increments (default 0.50)	
	Probe (included)	HI1288 polypropylene body, pre-amplified multiparameter probe with internal temperature sensor, DIN connector and 1m cable	
	Battery Type/Life	1.5V AAA (3) /approximately 500 hours of continuous use. auto-off after 8 minutes of inactivity	
	Environment	0 to 50°C (32 to 122°F); RH max. 100%	
	Dimensions	152 x 58 x 30 mm (6.0 x 2.3 x 1.2")	
	Weight	205g (7.2 oz.)	
Ordering Information		<b>HI991300</b> is supplied with HI1288 multiparameter probe, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, HI70031 1413 µS/cm calibration solution sachet, HI70032 1382 mg/L (ppm) calibration solution sachet, HI700601 electrode cleaning solution sachet, batteries, instructions and rugged carrying case.	
		<b>HI991301</b> is supplied with HI1288 multiparameter probe, HI70004 pH 4.01 buffer sachet, HI70007 pH 7.01 buffer sachet, HI70030 12880 µS/cm calibration solution sachet, HI70038 6.44 g/L (ppt) calibration solution sachet, HI700601 electrode cleaning solution sachet, batteries, instructions and rugged carrying case.	

pH solutions begin on page 3.100; EC and TDS solutions begin on page 6.42



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