

HI 99300 • HI 99301

EC/TDS/Temperature Meters

- Amperometric probe technology
- Automatic Temperature Compensation
- Automatic single calibration with calibration indicator
- On-screen tutorial messages for calibration and set-up
- HOLD
- BEPS
(Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- Battery % displayed on startup.
- Compact, heavy-duty and waterproof

HI 99300 and HI 99301 are portable, EC/TDS/temperature meters. HI 99300 measures low range conductivity in $\mu\text{S}/\text{cm}$ and TDS in ppm while the HI 99301 measures high range conductivity in mS/cm and TDS in ppt. Both instruments are housed in a case rated for IP67 conditions.

These instruments offer single point, automatic calibration with automatically temperature compensated measurements. The compensation coefficient and EC/TDS conversion factor are user-selectable from 0.45 to 1.00 and temperature coefficient is selectable from 0.0 to 2.4%/°C.

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. Symbols and messages on the LCD indicate meter status and guides users through operations.

At start-up, the meter shows the remaining battery percentage and when a low battery condition is detected, a battery symbol appears on the LCD to advise the user that only a few hours of working time is left.

The HI 76306 EC/TDS/temperature probe resists clogging and is easy to clean.





- **Protective rubber boot**
The optional rubber boot helps protect your meter



SPECIFICATIONS		HI 99300	HI 99301
Range	EC	0 to 3999 μ S/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/32.0 to 140.0°F	
Resolution	EC	1 μ S/cm	0.01 mS/cm
	TDS	1 ppm (mg/L)	0.01 ppt (g/L)
	Temperature	0.1°C/0.1°F	
Accuracy (@20°C)	EC/TDS	\pm 2% F.S.	
	Temperature	\pm 0.5°C/ \pm 1°F	
Calibration		automatic, one point at 1413 μ S/cm, 1382 ppm (CONV 0.5) or 1500 ppm (CONV 0.7)	automatic, one point at 12.88 mS/cm, 6.44 ppt (CONV 0.5) or 9.02 ppt (CONV 0.7)
Temperature Compensation	EC/TDS	automatic, 0 to 60°C (32 to 140°F) with β adjustable from 0.0 to 2.4%/°C with 0.1% step	
EC/TDS Factor		adjustable from 0.45 to 1.00 with 0.01 step (default 0.50)	
Probe		HI 76306 EC/TDS probe with internal temperature sensor, DIN connector and 1 m (3.3') cable (included)	
Battery Type / Life		1.5V AAA (3) / approximately 500 hours of continuous use. auto-off after eight minutes of non-use	
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.)	

HI 76306 EC/TDS Probe

The slim yet rugged EC/TDS probe features a built-in temperature sensor for simultaneous EC and temperature readings. The multi-level LCD of the HI 99300 and HI 99301 displays both of these readings at the same time.

ORDERING INFORMATION

HI 99300 and HI 99301 are supplied with HI 76306 EC/TDS probe, batteries, instructions and rugged carrying case.

PROBES

HI 76306	EC/TDS probe with internal temperature sensor, DIN connector and 1 m (3.3') cable
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SOLUTIONS

HI 7030M	12.88 mS/cm solution, 230 mL
HI 7031M	1413 μ S/cm solution, 230 mL
HI 7032M	1382 ppm solution, 230 mL
HI 70442M	1500 ppm solution, 230 mL
HI 70038P	6.44 ppt solution, 20 mL (25)

ACCESSORIES

HI 710023	Orange protective rubber boot
HI 710024	Blue protective rubber boot

For a complete list of Solutions, see the end of this section.