

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.



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Shown with HI 710023 protective boot (optional)

• Protective rubber boot

The optional rubber boot helps protect your meter



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

SOLUTIONS

- HI 7030M 12.88 mS/cm solution, 230 mL
- HI 7031M 1413 µS/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

SPECIFICATIONS	HI 99300	HI 99301	
Range	EC	0 to 3999 µS/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 µS/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	±2% F.S.	
	Temperature	±0.5°C/±1°F	
Calibration	automatic, one point at 1413 µS/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.)		

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