

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  $\text{mS}/\text{cm}$  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.



Importør:  
Impex Produkter AS  
Gamle Drammensvei 107  
1363 HØVIK  
Tel. 22 32 77 20  
info@impex.no  
www.impex.no



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



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.)		

### 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 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

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