HI99300 · HI99301

Portable EC Meters

EC/TDS and Temperature

- Simultaneous EC/TDS and temperature measurements on a large dual-line LCD display
- User-friendly Design
  - With only two buttons, meter operation could not be simpler. Two buttons allow you to quickly adjust settings, select the measurement range, and choose calibration buffer sets.
- Durable IP67 waterproof casing
  - Designed to withstand the knocks, drops, and spills of real life, the new IP67 body ensures top performance in any environment. These meters are totally protected against dust and water intrusion from any direction.
- Watertight Connection
  - A Quick Connect DIN connector makes attaching and removing the probe simple and easy. The rubber coating protects the cable and creates a sealed connection for added reliability.
- HOLD button
  - Freezes the reading on the display
- Selectable temperature unit (°C or °F)
- Battery life indication and low battery detection

HI99300 and HI99301 are conductivity, total dissolved solids and temperature meters designed to meet the requirements encountered in manufacturing and environmental testing protocols.

To increase precision, these models feature a different conductivity range, to cover applications from purified to brackish waters.

The supplied multi-parameter probe includes EC/TDS and temperature in one convenient, rugged probe.

Other 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 better solution temperature compensation.

Specifications		HI99300	HI99301
EC	Range	0 to 3999 µS/cm*	0.00 to 20.00 mS/cm*
	Resolution	1 µS/cm	0.01 mS/cm
	Accuracy (@25°C/77°F)	±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 (@25°C/77°F)	±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 (@25°C/77°F)	±0.5°C/±1.0°F	±0.5°C/±1.0°F
Additional Specifications	Calibration	automatic, one point at 1413 µS/cm or 1382 ppm (CONV 0.5) or 1500 ppm (CONV 0.7)	automatic, one point at 12.88 mS/cm or 6.44 ppt (CONV 0.5) or 9.02 ppt (CONV 0.7)
	EC/TDS Temperature Compensation	automatic, with β selectable from 0.0 to 2.4 %/ °C with 0.1 increments	
	TDS conversion factor	Selectable from 0.45 to 1.00 with 0.01 increments	
	Probe (included)	HI763063 EC/TDS/temperature sensor, DIN connector and 1 m (3.3') cable	
	Battery Type / Life	1.5V AAA (3) / approx. 500 hours of continuous use	
	Auto-Off	user selectable: after 8 min, 60 min or disabled	
	Environment	0 to 50°C (32 to 122°F); RH max. 100%	
	Meter Dimensions	154 x 63 x 30 mm (6.1 x 2.5 x 1.2")	
	Meter Mass (with batteries)	196 g (6.91 oz.)	
	Case Ingress Protection Rating	IP67	
Ordering Information	**HI99300** is supplied with HI763063 pH/EC/TDS probe with built-in temperature sensor, DIN connector and 1m (3.3') cable, HI70031 1413 µS/cm and HI70032 1382 ppm calibration solution sachets, 100 mL beaker, 1.5V AAA batteries (3), calibration certificate of meter, calibration certificate of probe, instruction manual and HI710142 rugged carrying case. **HI99301** is supplied with HI763063 pH/EC/TDS probe with built-in temperature sensor, DIN connector and 1m (3.3') cable, HI70030 12880 µS/cm and HI70038 6.44 ppt calibration solution sachets, 100 mL beaker, 1.5V AAA batteries (3), calibration certificate of meter, calibration certificate of probe, instruction manual and HI710142 rugged carrying case.		

* displays µS for µS/cm.
* displays mS for mS/cm.

- Optional shockproof silicon rubber boot
  - Specially designed to protect your instrument from damage or impact

HI710028 Orange
HI710029 Blue
HI710030 Green

EC and TDS solutions begin on page 5.26