

HI 9835 • HI 98360

EC/TDS/NaCl/°C Meters

- Autoranging, manual ranging and range lock
- Four ring probe design
- Automatic, manual and no Temperature Compensation
- Auto endpoint
Automatically freezes stable readings on the LCD display
- GLP features
- BEPS
(Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- On-screen user guides
- Backlit display
- Logging of up to 500 records (HI 98360)
- % Battery displayed on startup
- USB port for PC compatibility (HI 98360)

HI 9835 and HI 98360 are handheld conductivity/TDS/salinity/temperature meters. Users are provided with a series of diagnostic features and messages on the LCD which guide the user through calibration, operation and troubleshooting.

Conductivity and TDS measurement parameters are selectable such as: cell constant range from 0.500 to 1.700, temperature coefficient from 0.00 to 6.00%/°C, temperature reference from 20 to 25°C and a selectable TDS factor of 0.40 to 0.80.

Both instruments utilize the four ring HI 76309/1.5 conductivity probe with internal temperature sensor. The four ring design offers accurate readings over all the conductivity range with immunity to polarization and fouling that occurs on long term use of amperometric probes.

The autoranging feature of the EC and TDS modes automatically sets the meter to the scale with the highest possible resolution. The auto endpoint feature automatically freezes the display once a stable reading is reached.

The HI 98360 includes all of the features of the HI 9835 while adding data logging (up to 500 records) and a USB port for data transfer to a computer.



HI 76309/1.5 Conductivity Probe

The HI 76309/1.5 conductivity and temperature probe features a PVC body with a stainless steel four ring design. This design offers accurate readings over all the conductivity range.

- **Four ring design**
Immune to polarization and fouling for longer periods of time
- **Extended cable**
This probe features a 1.5 m (4.9') cable



SPECIFICATIONS	HI 9835	HI 98360
EC	0.00 to 29.99 µS/cm; 30.0 to 299.9 µS/cm; 300 to 2999 µS/cm; 3.00 to 29.99 mS/cm; 30.0 to 200.0 mS/cm; up to 500.0 mS/cm (actual EC)*	
Range	0.00 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.50 to 14.99 g/L (ppt); 15.0 to 100.0 g/L (ppt); up to 400.0 g/L (ppt) (actual TDS)* with 0.80 conversion factor	
NaCl	0.0 to 400.0%	
Temperature	-20.0 to 120.0 °C (-4.0 to 248.0 °F)**	
EC	0.01 µS/cm; 0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm	
Resolution	TDS 0.01 mg/L (ppm); 0.1 mg/L (ppm); 1 mg/L (ppm); 0.01 g/L (ppt); 0.1 g/L (ppt)	
NaCl	0.1%	
Temperature	0.1 °C	
Accuracy	EC ±1 % of reading (±0.05 µS/cm or 1 digit) TDS ±1 % of reading (±0.03 mg/L (ppm) or 1 digit, whichever greater) NaCl ±1% of reading Temperature ±0.2 °C (excluding probe error)	±0.5% of reading ±0.5% of reading ±0.5% of reading
Calibration	EC automatic, one point with six memorized values (84, 1413, 5000, 12880, 80000, 111800 µS/cm) NaCl one point with HI 7037 calibration solution Temperature two point, at 0 and 50 °C (32 and 122 °F)	
Temperature Compensation	automatic or manual from -20.0 to 120.0 °C (-4.0 to 248.0 °F) (can be disabled for measuring conductivity)	
Temperature Coefficient	selectable from 0.00 to 5.00 %/°C (EC and TDS only); default value is 1.90 %/°C	
Reference Temperature	20 °C or 25 °C	
TDS Conversion Factor	selectable from 0.40 to 0.80 (default value is 0.50)	
Data Logging	-	log on demand, up to 500 samples
PC Interface	-	opto-isolated USB
Probe (Included)	HI 76309 four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable	HI 76309/1.5 four ring conductivity probe with internal temperature sensor, DIN connector and 1.5 m (4.9') cable
Battery Type / Life	1.5V AAA batteries (3) / approximately 200 hours of continuous use without backlight (50 hours with backlight on); auto-off after 5, 10, 20 and 60 minutes (can be disabled)	
Environment	0 to 50 °C (32 to 122 °F); RH max 95%	
Dimensions	105 x 72 x 36 mm (7.3 x 2.8 x 1.4")	
Weight	300 g (10.6 oz)	

*with temperature compensation function disabled ** using the proper probe

ORDERING INFORMATION

HI 9835 is supplied with HI 76309 conductivity probe, batteries, instructions and rugged carrying case.

HI 98360 is supplied with HI 76309/1.5 conductivity probe, batteries, instructions and rugged carrying case.

PROBES

HI 76309	Four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable
HI 76309/1.5	Four ring conductivity probe with internal temperature sensor, DIN connector and 1.5 m (4.9') cable
HI 76309/10	Four ring conductivity probe with internal temperature sensor, DIN connector and 10 m (32.8') cable
HI 76309/20	Four ring conductivity probe with internal temperature sensor, DIN connector and 20 m (65.6') cable
HI 76309/50	Four ring conductivity probe with internal temperature sensor, DIN connector and 50 m (164') cable

SOLUTIONS

HI 7030L	12880 µS/cm calibration solution, 500 mL
HI 7031L	1413 µS/cm calibration solution, 500 mL
HI 7033L	84 µS/cm calibration solution, 500 mL
HI 7034L	80000 µS/cm calibration solution, 500 mL
HI 7035L	111800 µS/cm calibration solution, 500 mL
HI 7039L	5000 µS/cm calibration solution, 500 mL
HI 7037L	100% NaCl seawater standard solution, 500 mL
HI 7061L	Electrode cleaning solution, 500 mL

ACCESSORIES

HI 92000	Windows® compatible software
HI 920014	Mini USB connection cable

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