

HI 9835 • HI 98360

**EC/TDS/NaCl/°C Meters**

- **Water resistant**
- **On-screen user guides**  
Save time with on-screen calibration guides
- **Autoranging**  
Automatically sets the meter to the scale with the highest resolution
- **4-ring probe design**  
Offers greater measurement stability
- **Auto endpoint**  
Automatically freezes stable readings on the LCD display
- **GLP functions**
- **BEPS**  
(Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- **Backlit display**
- **Logging of up to 500 records**  
(HI 98360)
- **Automatic Temperature Compensation**
- **Single point calibration**
- **% Battery displayed on startup**
- **USB port for PC compatibility**  
(HI 98360)

HI 9835 and HI 98360 are handheld conductivity meters, designed to provide laboratory results and accuracy under harsh industrial conditions. Users are provided with a series of diagnostic features and messages on the LCD which guide the user through calibration, operation and troubleshooting.

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.

Both meters utilize the HI 76309/1.5 conductivity probe with integral temperature sensor with an advanced 4-ring design. This design offers greater stability while increasing the range of measurable concentrations and temperature.

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

**HI 98360**

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 4-ring design. This design offers greater stability while increasing the range of measurable concentrations and temperature.

- 4-ring design**

Immune to fouling for longer periods of time

- Extended cable**

This probe features a 1.5 m (4.9') cable



SPECIFICATIONS	HI 9835	HI 98360
Range	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)*
	TDS	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)**
Resolution	EC	0.01 µS/cm; 0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm
	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)
Calibration	EC	automatic, 1 point with 6 memorized values (84, 1413, 5000, 12880, 80000, 111800 µS/cm)
	NaCl	1 point with HI 7037 calibration solution
	Temperature	2-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 6.00%/°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 4-ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable	HI 76309/1.5 4-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	185 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.

### ELECTRODES

**HI 76309/1.5** 4-ring conductivity probe with internal temperature sensor, DIN connector and 1.5 m (4.9') cable.

### SOLUTIONS

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

### ACCESSORIES

<b>HI 92000</b>	Windows® compatible software
<b>HI 920013</b>	USB connection cable