

Waterproof EC/TDS/NaCl/°C Meter with Auto Endpoint

HI 98360 is a rugged waterproof conductivity meter, which combines versatility and reliability with ease of use.

This portable instrument is equipped with an auto-ranging feature and allows the user to measure EC and TDS with the resolution that best fits with the sample. Reference temperature for compensation can be set at 25 or 20°C, as required by the European water analysis regulation for conductivity measurements.

All readings can be stored and then transferred to a PC through the RS232 serial port.

The "Auto Endpoint" feature makes HI 98360 the ideal meter for field measurements: after entering this mode, the instrument will automatically freeze stable readings on the LCD.

The included HI 76309/1.5 probe is a potentiometric 4-ring probe for EC/TDS and temperature measurements. The HI 76309/1.5 features a PVC body, stainless steel sensors and 1.5 m (4.9') screened cable.



Specifications

HI 98360	EC	TDS	NaCl	Temperature
Range	0.00 to 29.99 $\mu\text{S}/\text{cm}$ 30.0 to 299.9 $\mu\text{S}/\text{cm}$ 300 to 2999 $\mu\text{S}/\text{cm}$ 3.00 to 29.99 mS/cm 30.0 to 200.0 mS/cm up to 500.0 mS/cm (actual EC)*	0.00 to 14.99 ppm (mg/L) 15.0 to 149.9 ppm (mg/L) 150 to 1499 ppm (mg/L) 1.50 to 14.99 g/L 15.0 to 100.0 g/L up to 400.0 g/L (actual TDS)*	0.0 to 400.0%	9.9 to 120.0°C**
Resolution	0.01 $\mu\text{S}/\text{cm}$ 0.1 $\mu\text{S}/\text{cm}$ 1 $\mu\text{S}/\text{cm}$ 0.01 mS/cm 0.1 mS/cm	0.01 ppm (mg/L) 0.1 ppm (mg/L) 1 ppm (mg/L) 0.01 g/L 0.1 g/L	0.1%	0.1°C
Accuracy	$\pm 1\% \pm (0.05 \mu\text{S}/\text{cm}$ or 1 digit)	$\pm 1\% \pm (0.03 \text{ ppm}$ or 1 digit)	$\pm 1\%$	$\pm 0.4^\circ\text{C}$
Calibration (EC)	automatic, 1 point, with 6 memorized values (84, 1413, 5000, 12880, 80000 and 111800 $\mu\text{S}/\text{cm}$)			
Calibration (NaCl)	1 point, with HI 7037 calibration solution (not included)			
Calibration (Temperature)	2-point, at 0 and 50°C (32 and 122°F)			
Temperature Compensation	automatic or manual, 0 to 60°C (32 to 140°F); can be disabled for measuring actual EC and TDS			
Temperature Coefficient	adjustable from 0.00 to 6.00%/°C (EC and TDS only)			
TDS Conversion Factor	adjustable from 0.40 to 0.80			
Data Logging	up to 250 samples			
Probe	HI 76309/1.5 with 1.5 m (4.9') cable (included)			
Power Supply	4 x 1.5V AA batteries (included), approx. 200 hours of continuous use, or 12 Vdc input; auto-off after 5 minutes of non-use (can be disabled)			
Environment	0 to 50°C (32 to 122°F); RH max 100%			
Dimensions / Weight	196 x 80 x 60 mm (7.7 x 3.1 x 2.4") / 500 g (1.1 lb.)			

* with temperature compensation function disabled

** using the proper probe

Ordering Information

HI 98360 is supplied with HI 76309/1.5 probe with 1.5 m (4.9') cable, batteries, rugged carrying case and instructions.

Accessories

HI 76309/1.5	4-ring conductivity probe with 1.5 m (4.9') cable	HI 7035L	111800 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle
HI 76310	4-ring conductivity probe with Pt sensor and 1 m (3.3') cable	HI 7039L	5000 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle
HI 7030L	12880 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle	HI 7037L	100% NaCl standard solution, 500 mL bottle
HI 7031L	1413 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle	HI 710005	115 Vac/12 Vdc power adapter
HI 7033L	84 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle	HI 710006	230 Vac/12 Vdc power adapter
HI 7034L	80000 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL bottle	HI 92000	Windows® compatible application software
		HI 920011	Interface for PC connection

For a complete range of calibration, cleaning and maintenance solutions, see section F. For accessories, see section U.