

Multiparameter EC/TDS/°C/NaCl | HI-9835



water resistant



mains powered



battery powered



interchangeable electrode



DIN connection



replaceable electrode

Top of the range portable EC meter

The HI-9835 is an advanced, portable conductivity meter which also measures total dissolved solids and sodium chloride.

Using one multi-purpose probe to measure all these parameters, users simply select the range most suited to their application:

- EC with temperature
- TDS with temperature
- NaCl (sodium chloride) with temperature

With a rugged water resistant casing this meter is ideal for use out in the field as well as for internal laboratory testing.

Four ring probe design for added stability over broader measuring range

The HI-76309 conductivity and temperature probe features a PVC body with a stainless steel four ring design to deliver high accuracy over a broader conductivity range.



The four ring construction is designed to ensure the probe is immune to polarisation and fouling for longer periods of time. Combined with a one meter cable, this probe makes the meter particularly popular for use in a variety of applications both in the laboratory and out in the field.

- Extra-wide temperature range (-20°C to 120°C)
- 4-ring probe design promotes greater stability over a broader measuring range and is equipped with an embedded temperature sensor
- Backlit display for use in low ambient light levels
- Clear tutorial messaging on-screen guides the user through calibration and setup



Authorised distributor



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Key features

Selectable conductivity and TDS measurement

- 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
- Selectable TDS factor of 0.40 to 0.80

Choose between automatic and manual temperature compensations to match operating requirements

Meter can be connected to a 12 Vdc power supply (optional)

Ordering Information

Multiparameter EC/TDS/°C/NaCl | HI-9835

supplied with HI-76309 conductivity probe, batteries, instructions and rugged carrying case



Specifications

Product Code	HI-9835	
Range	EC	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)
	TDS	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)
	NaCl	0.0 to 400.0%
	°C	0.0 to 60.0°C
Resolution	EC	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
	TDS	0.01 ppm (mg/L); 0.1 ppm (mg/L); 1 ppm (mg/L); 0.01 g/L; 0.1 g/L
	NaCl	0.1%
	°C	0.1°C
Accuracy	EC	$\pm 1\% \pm (0.05 \mu\text{S}/\text{cm} \text{ or } 1 \text{ digit})$
	TDS	$\pm 1\% \pm (0.03 \text{ ppm or } 1 \text{ digit})$
	NaCl	$\pm 1\%$
	°C	$\pm 0.4^\circ\text{C}$
Calibration	EC	automatic, 1 point, with 6 memorized values (84, 1413, 5000, 12880, 80000 and 111800 $\mu\text{S}/\text{cm}$)
	NaCl	1 point, with HI-7037 calibration solution (not included)
	°C	2 point, at 0 and 50°C
Temp Compensation	automatic or manual, 0 to 60°C ;can be disable for measuring actual EC and TDS	
Temp Coefficient	adjustable from 0.00 to 6.00%/°C (EC and TDS only)	
TDS Conversion Factor	adjustable from 0.40 to 0.80	
Probe	HI-76309, 4-ring probe, K=1 nominal, built-in temperature sensor (included)	
Power Supply	4 x 1.5V AA batteries (included) or 12 Vdc input; auto-off after 5 mins of non-use (can be disabled)	
Environment	0 to 50°C (; RH max 100%	
Dimensions	196 x 80 x 60 mm	
Weight	500 g	

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