

## Portable all-in-one – a best seller

The HI-9835 is a sophisticated portable conductivity meter which also displays TDS and NaCl.

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

- EC with temperature
- TDS with temperature
- Sodium chloride with temperature

### Main Benefits

- Backlit display for use in low ambient light levels
- Tutorial messages for calibration and setup
- Extra wide temperature range (-20 °C to +120 °C)
- Battery life displayed for improved maintenance

### Product Specifications

Product Code		HI-9835
Range	EC	0.00 to 29.99 $\mu\text{S/cm}$ ; 30.0 to 299.9 $\mu\text{S/cm}$ ; 300 to 2999 $\mu\text{S/cm}$ ; 3.00 to 29.99 $\text{mS/cm}$ ; 30.0 to 200.0 $\text{mS/cm}$ ; up to 500.0 $\text{mS/cm}$ (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%
	Temperature	-20 to +120°C
Resolution	EC	0.01 $\mu\text{S/cm}$ ; 0.1 $\mu\text{S/cm}$ ; 1 $\mu\text{S/cm}$ ; 0.01 $\text{mS/cm}$ ; 0.1 $\text{mS/cm}$
	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%
	Temperature	0.1°C
Accuracy	EC	$\pm 1\% \pm (0.05 \mu\text{S/cm or 1 digit})$
	TDS	$\pm 1\% \pm (0.03 \text{ ppm or 1 digit})$
	NaCl	$\pm 1\%$
	Temperature	$\pm 0.2^\circ\text{C}$ excluding probe error
Calibration	EC	automatic, 1 point, with 6 memorized values (84, 1413, 5000, 12880, 80000 and 111800 $\mu\text{S/cm}$ )
	NaCl	1 point, with HI 7037 calibration solution (not included)
	Temperature	2 point, at 0 and 50°C
Temperature Compensation		automatic or manual, -20 to +120°C ; can be disabled for measuring conductivity
Temperature 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		3 x 1.5V AA batteries (included) aprox 200 hours continuous use without backlight (50 hours with backlight)
Auto-Off		auto-off after 5, 10, 20, 60 minutes (can be disabled)
Environment		0 to 50°C ; RH max 100%
Dimensions		185 x 72 x 36 mm
Weight		300 g



4-ring EC probe  
with temperature  
sensor



Easy use buttons

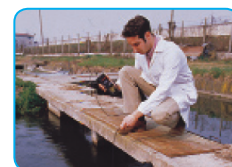


Large display for  
simultaneous  
read out



Waterproof casing

### Product Uses



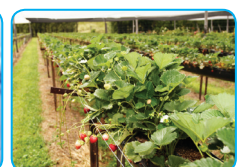
Ideal for field  
measurements



Plating bars  
and printing



Pure Water



Measure nutrients  
for horticulture



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.