

pH, Conductivity to 6000 $\mu\text{S}/\text{cm}$ and Temperature with a Water-Resistant Meter



Specifications

	HI 9811-0	HI 9811-5
Range	pH	0.0 to 14.0 pH
	EC	0 to 6000 $\mu\text{S}/\text{cm}$
	TDS	0 to 3000 mg/L (ppm)
	Temperature	—
Resolution	pH	0.1 pH
	EC	10 $\mu\text{S}/\text{cm}$
	TDS	10 mg/L
	Temperature	—
Accuracy (@20°C/68°F)	pH	± 0.1 pH
	EC	$\pm 2\%$ F.S.
	TDS	$\pm 2\%$ F.S.
	Temperature	—
TDS Conversion Factor	0.5 mg/L = 1 $\mu\text{S}/\text{cm}$	
Calibration	manual at 1 point (all parameters except temperature)	
Temperature Compensation	automatic 0 to 50°C with B = 2% /°C (EC/TDS only)	
Probe	HI 1285-0 pH/EC/TDS, 1 m cable (included)	HI 1285-5 pH/EC/TDS/T, 1 m cable (included)
Battery Type / Life	1 x 9V / approximately 150 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH 100%	
Dimensions / Weight	165 x 75 x 45 mm (6.9 x 2.9 x 1.8") / 180 g (6.3 oz.)	

Accessories

HI 1285-0	pH/EC/TDS probe, 1 m (3.3') cable	HI 77100P	pH 7 and 1413 $\mu\text{S}/\text{cm}$ calibration solution (20 mL, 10 pcs each)
HI 1285-5	pH/EC/TDS/T probe, 1 m (3.3') cable	HI 77300P	pH 7 and 1382 ppm calibration solution (20 mL, 10 pcs each)
HI 710015	Shockproof rubber boot, blue	HI 77400P	pH 4 and 7 calibration solution (20 mL, 5 pcs each)
HI 710016	Shockproof rubber boot, orange		
HI 710022	Blue protective case		
HI 70300L	Electrode storage solution, 500 mL		
HI 7061L	Cleaning solution, 500 mL		

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

HI 9811-0 is a portable meter for field measurement of pH, conductivity and TDS. This versatile instrument is ideal for use in coolers and boilers, printing and agriculture. The rugged housing has been specifically designed to be easy to use in the field, while reducing the number of instruments required for water quality analysis. HI 9811-0 measures pH from 0 to 14 with 0.1 resolution. The instrument also measures conductivity from 0 to 6000 $\mu\text{S}/\text{cm}$ and TDS from 0 to 3000 mg/L. These ranges make HI 9811-0 perfect for use in boilers and cooling towers, printing and agriculture. Calibration has been simplified to one point for both pH and conductivity/TDS modes.

HI 9811-0 and HI 9811-5 are equipped with Automatic Temperature Compensation. In addition, the BEPS (Battery Error Prevention System) will alert the user when low batteries could affect the readings.

This portable meter uses the 4-in-1 replaceable probe HI 285-0 for pH/EC/TDS, while the probe HI 1285-5 for HI 9811-5 measures pH/EC/TDS and Temperature.

Ordering Information

HI 9811-0 is supplied complete with pH/EC/TDS probe, HI 1285-0 with 1 m (3.3') cable, pH 7 calibration solution (1 x 20 mL), 1382 ppm and 1413 $\mu\text{S}/\text{cm}$ calibration solutions (1 each), cleaning solution (2 pcs), blue protective case, battery and instructions.

HI 9811-5 is supplied complete with pH/EC/TDS/T HI 1285-5 with 1 m cable, pH 7 calibration solution, 1382 ppm and 1413 $\mu\text{S}/\text{cm}$ calibration solution (1 each), cleaning solution (2 pcs), blue protective case, battery and instructions.