HI 9811-5 • HI 9812-5

pH/EC/TDS/Temperature Portable Meters

- **Water resistant**
- **On-screen tutorial messages for calibration**
- **Switch parameters at the touch of a button**
- **Automatic Temperature Compensation**

  For pH and conductivity
- **Simple calibration**

  Dials located on the front panel makes calibration quick and simple, even for non-technical users
- **BEPS**

  (Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- **Battery % displayed on startup**
- **Fast response probe included**

HI 9811-5 and HI 9812-5 are pH/EC/TDS waterproof meters designed for simplicity in taking pH, µS/cm, ppm (mg/L) and temperature measurements. both the HI 9811-5 and HI 9812-5 are ideal for hydroponics, greenhouses, farming and ground water applications .

Due to the built-in temperature sensor, conductivity readings are automatically compensated for temperature changes. The temperature coefficient is fixed at 2%/°C.

No probe changes are required when switching your measured parameter between pH, conductivity and TDS. These multiparameter meters reduce the number of instruments required for daily water quality analysis.

- **Protective rubber boot**

  The optional rubber boot helps protect your meter

HI 1285-5 Probe

The specially engineered HI 1285-5 pH/EC/TDS and temperature probe utilizes a fiber junction and gel electrolyte which provide a fast response and reduced contamination. This combination makes the HI 1285-5 particularly designed to withstand harsh environments such as fertilizer solutions.

SPECIFICATIONS		HI 9811-5	HI 9812-5
Range	pH	0.0 to 14.0 pH	
	EC	0 to 6000 µS/cm	0 to 1990 µS/cm
	TDS	0 to 3000 ppm (mg/L)	0 to 1990 ppm (mg/L)
	Temperature	0 to 60°C	
Resolution	pH	0.1 pH	
	EC	10 µS/cm	
	TDS	10 ppm (mg/L)	
	Temperature	0°C	
Accuracy (@20°C/68°F)	pH	±0.1 pH	
	EC	±2% F.S.	
	TDS	±2% F.S.	
	Temperature	±0.5°C	
TDS Conversion Factor		0.5 ppm (mg/L) = 1 µS/cm	
Calibration		manual, one point (all parameters except temperature)	
Temperature Compensation		automatic from 0 to 50°C (32 to 122°F) with β = 2% /°C (EC/TDS only)	
Probe		HI 1285-5 polypropylene body, pre-amplified multiparameter probe with internal temperature sensor, 8-pin DIN connector and 1 m (3.3') cable (included)	
Battery Type / Life		9V / approximately 150 hours of continuous use	
Environment		0 to 50°C (32 to 122°F); RH max 100%	
Dimensions		145 x 80 x 36 mm (5.7 x 3.1 x 1.4")	
Weight		230 g (8.1 oz.)	

ORDERING INFORMATION

HI 9811-5 and **HI 9812-5** are supplied with HI 1285-5 multiparameter probe, HI 70007 pH 7.01 calibration solution sachet, HI 70032 1382 ppm (mg/L) calibration solution sachet, HI 70031 1413 µS/cm calibration solution sachet, HI 700661 electrode cleaning solution sachets (2), battery, instructions and rugged carrying case.

ELECTRODES

HI 1285-5	Polypropylene body, pre-amplified multiparameter probe with internal temperature sensor, 8-pin DIN connector and 1 m (3.3') cable.

CONDUCTIVITY & TDS CALIBRATION SOLUTIONS

HI 7031L	1413 µS/cm calibration solution, 500 mL
HI 7032L	1382 ppm (mg/L) calibration solution, 500 mL

pH BUFFER SOLUTIONS

HI 7004L	pH 4.01 buffer solution, 500 mL
HI 7006L	pH 6.86 buffer solution, 500 mL
HI 7007L	pH 7.01 buffer solution, 500 mL
HI 7009L	pH 9.18 buffer solution, 500 mL
HI 7010L	pH 10.01 buffer solution, 500 mL
HI 70300L	Electrode storage solution, 500 mL
HI 7061L	Electrode cleaning solution, 500 mL

OTHER ACCESSORIES

HI 710007	Shockproof rubber boot, blue
HI 710008	Shockproof rubber boot, orange

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.