

HI 9813-5 • HI 9813-6 • pH/EC/TDS/Temperature Portable Meters



Shown with HI 710008 protective boot (optional)

- **Protective rubber boot**
The optional rubber boot helps protect your meter

HI 1285 Series Probe

The specially engineered HI 1285-5 and HI 1285-6 pH/EC/TDS/temperature probes utilize a fiber junction and gel electrolyte which provide fast response and reduced contamination. This combination makes these probes particularly suitable to be used in fertilizer solutions.

These probes can be used with instruments that use the same connector.

- **Built-in pH, amperometric EC and temperature sensor**
- **Specialized rugged probe**
Designed for harsh environments such as fertilizer solutions.

ORDERING INFORMATION

HI 9813-5 is supplied with HI 1285-5 multiparameter probe, HI 70007 pH 7.01 calibration solution sachet, HI 70442 1500 ppm (mg/L) calibration solution sachet, HI 70031 1413 $\mu\text{S}/\text{cm}$ calibration solution sachet, HI 700661 electrode cleaning solution sachets (2), battery, instructions and rugged carrying case.

HI 9813-6 is supplied with HI 1285-6 multiparameter probe, HI 70007 pH 7.01 calibration solution sachet, HI 70442 1500 ppm (mg/L) calibration solution sachet, HI 70031 1413 $\mu\text{S}/\text{cm}$ calibration solution sachet, 700521 electrode cleaning solution sachets (2), battery, instructions and rugged carrying case.

PROBES

- HI 1285-5** Polypropylene body, pre-amplified multiparameter probe with internal temperature sensor, 8-pin DIN connector and 1 m (3.3') cable.
- HI 1285-6** Polypropylene body, pre-amplified multiparameter probe with CAL CHECK™ compatibility, internal temperature sensor, 8-pin DIN connector and 1 m (3.3') cable

CALIBRATION SOLUTIONS

- HI 7031L** 1413 $\mu\text{S}/\text{cm}$ calibration solution, 500 mL
- HI 70442L** 1500 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

OTHER SOLUTIONS

- HI 700661P** Cleaning solution, 20 mL sachets (25)
- HI 50021P** Check solution, 20 mL sachets (25)
- HI 70300L** Electrode storage solution, 500 mL

OTHER ACCESSORIES

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

SPECIFICATIONS		HI 9813-5	HI 9813-6
Range	pH	0.0 to 14.0 pH	
	EC	0.00 to 4.00 mS/cm	
	TDS	0 to 1999 ppm (mg/L)	
	Temperature	0.0 to 60.0°C	
Resolution	pH	0.1 pH	
	EC	0.01 mS/cm	
	TDS	1 ppm (mg/L)	
	Temperature	0.1°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	0.56 to 0.78 ppm = 1 $\mu\text{S}/\text{cm}$ (according to TDS 442 curve)		
pH Calibration	manual, one point (all parameters except temperature)		
Temperature Compensation	automatic 0 to 50°C (32 to 122°F) with $\beta=2\%/^{\circ}\text{C}$ (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) HI 1285-6 polypropylene body, pre-amplified multiparameter probe with CAL CHECK™ compatibility, 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.)		

For a complete list of Solutions, see the end of pH Section 3 and Conductivity Section 6.