

## HI9813-5 • HI9813-6 pH/EC/TDS/ Temperature Portable Meter

- **CAL Check™**
  - Alerts users of calibration status (HI9813-6)
- **ATC**
  - Automatic temperature compensation
- **Help feature**
  - On-screen tutorial messages
- **Battery indicator**
  - Indicates how much battery life is in the instrument
- **Waterproof**
  - Water-resistant

HI9813-5 and HI9813-6 are versatile, water resistant, multiparameter portable instruments specifically designed for agricultural applications such as hydroponics, greenhouses, farming and nurseries.

This series of instruments feature a large LCD that clearly displays the parameter being measured as well as calibration instructions. Calibration is fast and easy with knobs located on the front panel of the instrument.

HI9813-5 is a pH/EC/TDS meter designed for simplicity of use in taking pH, mS/cm, ppm and temperature in the °C scale measurements.

HI9813-6 includes all the features of the HI9813-5 while incorporating our exclusive CAL CHECK™ feature. CAL CHECK™ allows the user to easily check the pH probe calibration status at any time.

Both instruments utilize the HI1285 series pH/EC/TDS/temperature probe. This probe features a fiber junction and gel electrolyte making it ideal for fertilizer solutions.

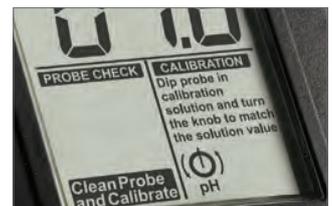
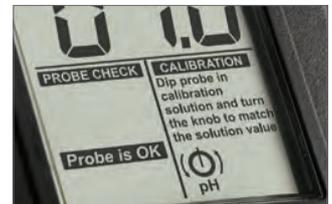


### HI9813-6 Exclusive CAL CHECK™ Feature

When used in conjunction with the HI 1285-6 pH/EC/TDS/temperature probe and HI50021 check solution, the HI9813-6's CAL CHECK™ feature allows the user to check the meter calibration status at any time with a simple procedure:

1. Rinse the probe with water and immerse the probe in HI50021 check solution.
2. Press the check key.
3. If the meter is calibrated "probe is OK" message is displayed.
4. If cleaning is needed "clean probe and calibrate" message is displayed

If cleaning is needed just immerse the probe in HI700661 cleaning solution for 5 minutes, rinse the probe and check again. Calibration is needed if "clean probe and calibrate" message is displayed a second time.





Shown with HI710008 protective boot (optional)

## HI1285 Series Probe

The specially engineered HI1285-5 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.

Specifications	HI9813-5	HI9813-6	
pH	Range	0.0 to 14.0 pH	0.0 to 14.0 pH
	Resolution	0.1 pH	0.1 pH
	Accuracy	±0.1 pH	±0.1 pH
EC	Range	0.00 to 4.00 mS/cm	0.00 to 4.00 mS/cm
	Resolution	0.01 mS/cm	0.01 mS/cm
	Accuracy	±2% F.S.	±2% F.S.
TDS	Range	0 to 1999 ppm (mg/L)	0 to 1999 ppm (mg/L)
	Resolution	1 ppm (mg/L)	1 ppm (mg/L)
	Accuracy	±2% F.S.	±2% F.S.
Temperature	Range	0.0 to 60.0°C	0.0 to 60.0°C
	Resolution	0.1°C	0.1°C
	Accuracy	±0.5°C	±0.5°C
Additional Specifications	TDS Conversion Factor	0.56 to 0.78 ppm = 1 µS/cm (according to TDS 442 curve)	0.56 to 0.78 ppm = 1 µS/cm (according to TDS 442 curve)
	pH & EC/TDS Calibration	manual, one point (all parameters except temperature)	manual, one point (all parameters except temperature)
	Temp. Compensation	automatic 0 to 50°C (32 to 122°F) with β=2%/°C (EC/TDS only)	automatic 0 to 50°C (32 to 122°F) with β=2%/°C (EC/TDS only)
	Probe	HI1285-5 polypropylene body, pre-amplified multiparameter probe with internal temperature sensor, 8-pin DIN connector and 1 m (3.3') cable (included)	HI1285-6 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.)	
Ordering Information	<p><b>HI9813-5</b> is supplied with HI1285-5 multiparameter probe, HI70007 pH 7.01 calibration solution sachet, HI70442 1500 ppm (mg/L) calibration solution sachet, HI70031 1413 µS/cm calibration solution sachet, HI700661 electrode cleaning solution sachets (2), battery, instructions and rugged carrying case.</p> <p><b>HI9813-6</b> is supplied with HI1285-6 multiparameter probe, HI70007 pH 7.01 calibration solution sachet, HI70442 1500 ppm (mg/L) calibration solution sachet, HI70031 1413 µS/cm calibration solution sachet, HI50021 electrode cleaning solution sachets (2), 9v battery (1), instructions and rugged carrying case.</p>		

pH solutions begin on page 3.100; EC and TDS solutions begin on page 6.42