

www.HANNAINST.com

HI 9811-5 and HI 9812-5

pH/EC/TDS/°C PORTABLE METERS

HANNA® instruments

With Great Products, Come Great Results™



HI 9811-5 and HI 9812-5

pH/EC/TDS/°C PORTABLE METERS

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 .

Conductivity measurements are automatically compensated for temperature changes with a built-in temperature sensor. The temperature coefficient is fixed at 2%/°C.

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 suitable to be used in fertilizer solutions.

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 water quality analysis.

FEATURES

- **Water resistant**
- **On-screen user guides**
  Save time with on-screen calibration guides
- **BEPS**
  BEPS (Battery Error Protection System) alerts the user in the event that low battery power could adversely affect readings
- **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
- **Battery % displayed on startup**
- **Fast response probe included**

WP WATERPROOF

B.E.P.S. + Battery Error Prevention System

2 YEAR WARRANTY

ISO 9001:2000 CERTIFIED COMPANY

WE DESIGN, MANUFACTURE, SUPPLY AND SUPPORT ALL OF OUR PRODUCTS.

THAT'S 360° VALUE

Over the past 30 years, HANNA has never failed to design fresh and innovative products and the new HI 9811-5 and HI 9812-5 are no exception. We are excited to introduce such high accuracy and ease of use in a compact, modern design that fits right in your hand.

HANNA is the largest family-owned manufacturer of analytical instrumentation in the world. The HI 9811-5 and HI 9812-5 are manufactured in our European state-of-the-art ISO 9001:2000 production facility and is CE compliant to EN 61326-1 and EN 61010-1 standards.

When you buy a HANNA product, you're not only buying the best value for your money, but you're also adding the benefit of HANNA's unsurpassed customer service and post-sale technical support.



Shown with HI 710008 protective boot (optional)

pH/EC/TDS Electrode & Starter Solutions Included!









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 suitable to be used in fertilizer solutions.

These probes are interchangeable with other pH meters that use the same connector.

- **Specialized Probe**
  The 1285-5 is 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	0.0 to 70.0°C	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	±1°C	
TDS Conversion Factor		0.5 ppm (mg/L) = 1 µS/cm	
pH Calibration		manual, 1 point through offset trimmer	
EC/TDS Calibration		manual, 1 point through slope trimmer	
EC/TDS Temperature Compensation		automatic from 0 to 50°C (32 to 122°F) with β = 2% /°C	
Probe		HI 1285-5 pH/EC/TDS/T, 1 m cable (included)	
Battery Type / Life		9V / approximately 150 hours of continuous use	
Environment		0 to 50°C (32 to 122°F); RH 100%	
Dimensions / Weight		144.6 x 79.5 x 37 mm (5.7 x 3.1 x 1.5") / 230 g (8.1 oz.)	

ORDERING INFORMATION

HI 9811-5 and **HI 9812-5** are supplied with HI 1285-5 pH/EC/TDS/ °C probe, starter set of calibration and cleaning solution sachets, 9 V battery and instructions.

ELECTRODES

HI 1285-5 pH/EC/TDS/°C probe, 1 m (3.3') cable

CONDUCTIVITY & TDS CALIBRATION SOLUTIONS

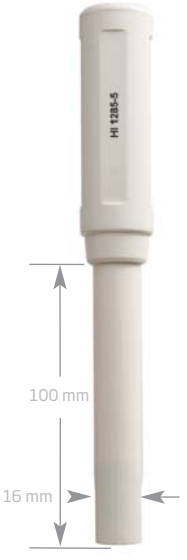
HI 7031L 1413 µS/cm solution, 500 mL
HI 7032L 1382 ppm (mg/L) solution, 500 mL

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



SPECIFICATIONS	HI1285-5
Description	Combination probe
Reference	Single, Ag/AgCl
Junction	Cloth
Electrolyte	Gel
Max Pressure	0.1 bar
Range	pH: 0 to 13 / EC T: 0 to 60°C (32 to 140°F))
Tip /Shape	Spheric (dia: 8 mm)
Temperature Sensor	Yes
Amplifier	Yes
Body Material	Polypropylene
Connection/Cable	Multi-pin/ 7-pole; 2 m (6.6')
Recommended Use	Greenhouses, hydroponics, environmental monitoring, water treatment, boilers, cooling towers

HANNA® instruments
With Great Products, Come Great Results™

P/L HI9811_12_INC 1.0 PRINTED IN USA