



HI 991301

pH/EC/TDS/Temperature 4-in-1 Megameter

- **Waterproof**
- **4 parameters—1 probe!**
- **Automatic calibration**

This multi-parameter instrument tests for 4 of the most important factors in the growing environment. Calibration is performed at the touch of a button with memorized pH and EC buffers. Accuracy is ensured with Automatic Temperature Compensation and the advanced sensor material which completely eliminates polarization and oxidation problems. Beta factor and TDS ratios are user-selectable as is the ability to read in °C or °F.

ORDERING INFORMATION

HI 991301 is supplied complete with pH/EC/TDS/T HI 1288 probe, with 1 m (3.3') cable, batteries, rugged carrying case and instructions.

ACCESSORIES

- HI 1288** pH/EC/TDS/T probe
- HI 710007** Shockproof rubber boot, blue
- HI 710008** Shockproof rubber boot, orange
- HI 70030P** 12880 µS calibration solution (25) 20 mL sachets
- HI 70038P** 6.44 ppt calibration solution (25) 20 mL sachets
- HI 77100P** 1413 µS/pH 7 calibration solution (20) 20 mL sachets, 10 ea.
- HI 77200P** 1500 ppm/pH 7 calibration solution (20) 20 mL sachets, 10 ea.
- HI 77300P** 1382 ppm/pH 7 calibration solution (20) 20 mL sachets, 10 ea.
- HI 77400P** pH 4; pH 7 calibration solution (10) 20 mL sachets, 5 ea.

SPECIFICATIONS	HI 991301
Range	pH: 0.00 to 14.00; EC: 0.00 to 20.00 mS/cm; TDS: 0.00 to 10.00 ppt (g/L); Temperature: 0.0 to 60.0°C or 32.0 to 140.0°F
Resolution	pH: 0.01; EC: 0.01 mS/cm; TDS: 0.01 ppt; Temperature: 0.1°C or 0.1°F
Accuracy (@20°C/68°F)	pH: ±0.01; EC/TDS: ±2% F.S.; Temperature: ±0.5°C or ±1.0°F
pH Calibration	Automatic at 1 or 2 points with 2 sets of memorized standard buffers (pH 4.01/7.01/10.01 or pH 4.01/6.86/9.18)
EC/TDS Calibration	Automatic, 1 point at 6.44 ppt (CONV 0.5) or at 9.02 ppt (CONV 0.7) or at 12880 µS/cm (others)
TDS Conv. Factor	Selectable 0.45 to 1.00 with 0.01 increments (default 0.50)
Temp. Compensation	pH: automatic; EC/TDS: automatic, BETA (β) is adjustable from 0.0 to 2.4%/°C w/0.1 increments
Probe	HI 1288 pH/EC/TDS/T, DIN connector, 1 m (3.3') cable (included)
Battery Type/Life	(4) 1.5V AAA/approx. 100 hrs of continuous use
Environment	0 to 50°C (32 to 122°F); 100% RH
Dimensions/Weight	150 x 80 x 36 mm (5.9 x 3.1 x 1.4")/210g (7.4 oz.)

HI 9811-0 • HI 9811-5

pH, Conductivity to 6000 µS/cm and Temperature

- **Water-resistant**
- **1 probe for all parameters!**
- **0.0 to 70.0°C temperature range (HI 9811-5)**

HI 9811-0 and HI 9811-5 are portable meters for field measurement of pH, conductivity and TDS. HI 9811-5 features additional temperature measurement in °C. These versatile instruments are ideal for use in 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 and HI 9811-5 are equipped with Automatic Temperature Compensation and BEPS (Battery Error Prevention System) which alerts the user when low batteries could affect the readings.



SPECIFICATIONS	HI 9811-0	HI 9811-5
Range	pH: 0.0 to 14.0; EC: 0 to 6000 µS/cm; TDS: 0 to 3000 ppm (mg/L)	pH: 0.0 to 14.0; EC: 0 to 6000 µS/cm; TDS: 0 to 3000 ppm (mg/L); Temperature: 0.0 to 70.0°C
Resolution	pH: 0.1; EC: 10 µS/cm; TDS: 10 mg/L	pH: 0.1; EC: 10 µS/cm; TDS: 10 mg/L; Temperature: 0.1°C
Accuracy (@20°C/68°F)	pH: ±0.1; EC/TDS: ±2% F.S.	pH: ±0.1; EC/TDS: ±2% F.S.; Temperature: ±0.5°C
Calibration	Manual at 1 point (all parameters except temperature)	
Temp. Compensation	Automatic 0 to 50°C with β = 2% /°C (EC/TDS only)	
TDS Conversion Factor	0.5 mg/L = 1 µS/cm	
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) 9V / approximately 150 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); 100% RH	
Dimensions/Weight	165 x 75 x 45 mm (6.9 x 2.9 x 1.8")/180 g (6.3 oz.)	

ORDERING INFORMATION

HI 9811-0 and **HI 9811-5** are supplied complete with HI 1285-0 (-0) or HI 1285-5(-5) probe with 1 m (3.3') cable, pH 7 calibration solution, 1382 ppm and 1413 µS/cm calibration solutions (1 each), cleaning solution (2 pcs), blue protective case, battery and instructions.

ACCESSORIES

- HI 1285-0** pH/EC/TDS probe, 1 m (3.3') cable
- HI 1285-5** pH/EC/TDS/T probe, 1 m (3.3') cable
- HI 710015** Shockproof rubber boot, blue
- HI 710016** Shockproof rubber boot, orange
- HI 70300L** Electrode storage solution, 500 mL
- HI 7061L** Cleaning solution, 500 mL
- HI 77100P** pH 7 and 1413 µS/cm calibration solution (20) 20 mL sachets, 10 ea.
- HI 77300P** pH 7 and 1382 ppm calibration solution (20) 20 mL sachets, 10 ea.
- HI 77400P** pH 4 and 7 calibration solution (10) 20 mL sachets, 5 ea.