

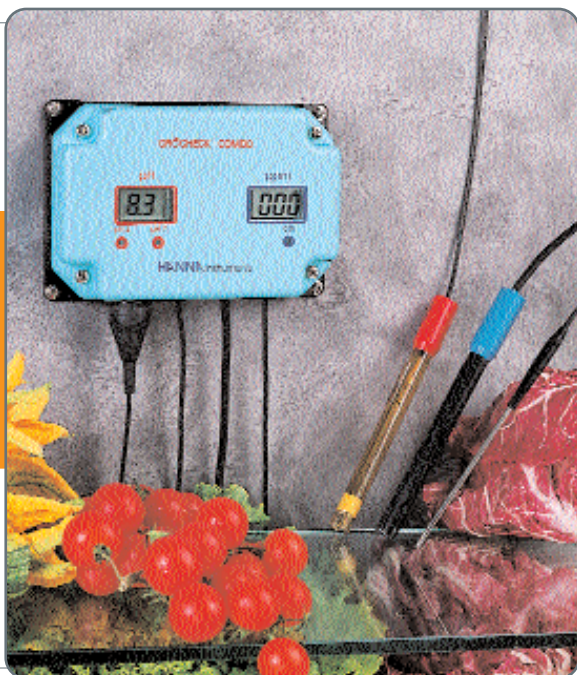
HI 981404N • HI 981405N
*pH & TDS or EC Continuous Indicators***Features ...**

HI 981404N and **HI 981405N** are ideal for agricultural, horticultural and hydroponics applications where pH and TDS or pH and EC levels need to be continuously monitored for optimal plant growth. **HI 981404N** and **HI 981405N** continuously monitor and display the pH and TDS or pH and EC values of a solution on an easy to read set of dual LCD's.

The **HI 1286** gel filled pH electrode is replaceable and the BNC connector is protected behind a waterproof sheath. The unique design of the electrode guarantees greater clogging resistance in fertilizer solutions with high concentrations of phosphate, nitrate, etc. TDS measurements are performed using the 4-4-2 conversion factor of 0.7 so you do not need to convert the readings.

Both models are equipped with a grounding bar to ensure more accurate pH measurements and longer electrode life.

The **HI 981404N** and **HI 981405N** are compact and easy to install and use. This makes them ideal for all continuous monitoring applications.

**... and Benefits**

- 2 parameters with a single instrument
- Simple operation and maintenance
- Advanced electrode technology
- Supplied complete and ready to use

Specifications	HI 981404N	HI 981405N
Range	0.0 to 14.0 pH; 0 to 1990 mg/L (ppm)	0.0 to 14.0 pH; 0.00 to 9.99 mS/cm
Resolution	0.1 pH; 10 mg/L (ppm)	0.1 pH; 0.01 mS/cm
Accuracy (@20°C/68°F)	±0.2 pH; ±2% F.S.	±0.2 pH; ±2% F.S.
Calibration	Manual at 1 or 2 points (pH); manual at 1 point (TDS)	Manual at 1 or 2 points (pH); manual at 1 point (EC)
Temperature Compensation	Automatic from 5 to 50°C (41 to 122°F) (TDS only)	Automatic from 5 to 50°C (41 to 122°F) (EC only)
TDS Conversion Factor	0.7 ppm = 1 µS/cm	-
Probes	HI 1286 interchangeable pH electrode (included), HI 7634 TDS probe (for HI 981404N only)(fixed), HI 7632 EC probe (for HI 981405N only)(fixed), HI 1283 grounding bar with 2 m (6.6') cable (included)	
Power Supply	12 VDC adapter (included)	
Environment	0 to 50°C (32 to 122°F), RH 95%	
Dimensions	165 x 110 x 35 mm (6.5 x 4.3 x 1.3")	
Weight	300 g (10.6 oz.)	

Ordering Information

HI 981404N is supplied complete with **HI 1286** pH electrode, **HI 7634** TDS probe, **HI 1283** grounding bar, calibration solutions, screwdriver for calibration, 12 VDC adapter and instructions.

HI 981405N is supplied complete with **HI 1286** pH electrode, **HI 7632** EC probe, **HI 1283** grounding bar, calibration solutions, screwdriver for calibration, 12 VDC adapter and instructions.

Accessories

HI 1286	pH electrode, plastic, BNC, 2 m (6.6') cable	HI 70442P	Cal. sol. 1500 ppm (25 x 20 mL)
HI 70000P	Rinse solution (25 x 20 mL)	HI 77400P	Cal. kit (pH 4 & 7, 20 mL, 5 pcs each)
HI 70004P	Cal. sol. pH 4 (25 x 20 mL)	HI 70039P	Cal. sol. 5000 µS/cm (25 x 20 mL)
HI 70007P	Cal. sol. pH 7 (25 x 20 mL)	HI 7061M	Electrode cleaning solution, 230 mL
HI 70300M	Storage solution, 230 mL	HI 710005	12 VDC power supply

For a complete range of calibration and maintenance solutions sections F and G.
For pH electrodes, see section E.