HI981404N · HI981405N

pH/TDS or pH/EC Continuous Indicators

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

The HI981404N and HI981405N are ideal for agricultural, horticultural and hydroponics applications where pH and TDS (HI981404N) or pH and EC (HI981405N) levels need to be monitored for optimal plant growth. These instruments continuously monitor and display the values of a solution on an easy-to-read set of LCDs.

The HI1286 gel filled pH electrode is replaceable and the BNC connector is protected behind a waterproof sleeve. The unique design of the electrode guarantees greater clogging resistance in fertilizer solutions with high concentrations of nutrients. 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 highly accurate pH readings and longer electrode life.

The HI981404N and HI981405N are compact and easy to install, making them ideal for all continuous monitoring applications.

Specifications		HI981404N	HI981405N
pH	Range	0.0 to 14.0 pH	0.0 to 14.0 pH
	Resolution	0.1 pH	0.1 pH
	Accuracy (@25°C/77°F)	±0.2 pH	±0.2 pH
EC	Range	–	0.00 to 9.99 mS/cm
	Resolution	–	0.01 mS/cm
	Accuracy (@25°C/77°F)	–	±2% F.S.
TDS	Range	0 to 1990 mg/L (ppm)	–
	Resolution	10 mg/L (ppm)	–
	Accuracy (@25°C/77°F)	±2% F.S.	–
Calibration	Calibration	manual, one or two-point (pH); manual, one-point (TDS)	manual, one or two-point (pH); manual, one-point (EC)
Temperature Compensation	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	TDS Conversion Factor	0.7 ppm = 1 µS/cm	-
Probes	Probes	HI1286 interchangeable pH electrode (included), HI7634 TDS probe (fixed), HI1283 grounding bar with 2 m (6.6') cable (included)	HI1286 interchangeable pH electrode (included), HI7632 EC probe (fixed), HI1283 grounding bar with 2 m (6.6') cable (included)
Power Supply	Power Supply	12 VDC adapter (included)	
Environment	Environment	0 to 50°C (32 to 122°F), RH 95%	
Dimensions	Dimensions	160 x 110 x 35 mm (6.5 x 4.3 x 1.4")	
Weight	Weight	300 g (10.6 oz.)	
Ordering Information		**HI981404N-01** (Gro'Chek Combo) (115V) and **HI981404N-02** (Gro'Chek Combo) (230V) are supplied complete with HI1286 pH electrode, HI7634 TDS probe, HI1283 grounding bar, calibration solutions, screwdriver for calibration, 12 VDC adapter and instructions. **HI981405N-01** (Gro'Chek Combo) (115V) and **HI981405N-02** (Gro'Chek Combo) (230V) are supplied complete with HI1286 pH electrode, HI7632 EC probe, HI1283 grounding bar, calibration solutions, screwdriver for calibration, 12 VDC adapter and instructions.	

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