

Combined Measurement Testers & monitors



Combo

The only tester in the world that measures pH, Conductivity, TDS and Temperature!

The HI 98129 and HI 98130 Combo waterproof testers are designed for high accuracy pH, EC/TDS and temperature measurements.

No more switching between meters, the Combo from Hanna Instruments, does it all!



HI 73127
Replaceable pH
electrode cartridge!

- Waterproof, floating
- % battery power illumination
- High accuracy
- Large dual-level LCD
- Adjustable TDS ratio
- Adjustable β
- Automatic shut-off
- Automatic calibration

SPECIFICATIONS	HI 98129	HI 98130	
Range	pH	0.00 to 14.00	0.00 to 14.00
	EC	0 to 3999 $\mu\text{S}/\text{cm}$	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	T°	0.0 to 60.0°C or 32.0 to 140.0°F	
Resolution	pH	0.01	0.01
	EC	1 $\mu\text{S}/\text{cm}$	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	T°	0.1°C or 0.1°F	
Accuracy	pH	± 0.05	
	EC/TDS	$\pm 2\%$ F.S.	
	T°	$\pm 0.5^\circ\text{C}$ or $\pm 1^\circ\text{F}$	
Temp. Comp.	pH: Automatic; EC: Automatic; β adjustable from 0.0 to 2.4%/°C		
Battery Life	Approx. 100 hours continuous use		
Dimensions	163 x 40 x 26 mm (6.4 x 1.6 x 1")		
Weight	85 g (3.0 oz)		

INFO

Save time and money!
Carry one unit,
perform several tests.

GROCHECK



HI 981404N & HI 981405N pH & TDS or EC continuous monitors

- 2 parameters with a single instrument
- Advanced electrode technology
- Simple operation and maintenance
- 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	± 0.2 pH; $\pm 2\%$ F.S.	± 0.2 pH; $\pm 2\%$ F.S.
Calibration	Manual at 1 or 2 point (pH) Manual at 1 point (TDS)	Manual at 1 or 2 point (pH) Manual at 1 point (EC)
Temp. Comp.	Auto from 5 to 50°C (41 to 122°F) (TDS)	Auto from 5 to 50°C (41 to 122°F) (EC)
TDS conv. Factor	0.7 ppm = 1 $\mu\text{S}/\text{cm}$	-
Probes (included)	HI 1286 interchangeable pH electrode HI 7634 TDS probe (fixed)	HI 1283 grounding bar with 2 m (6.6') cable HI 7632 EC probe (fixed)
Power Supply	12 VDC adapter (included)	
Dimensions	165 x 110 x 35 mm (6.5 x 4.3 x 1.3")	
Weight	300 g (10.6 oz)	

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.