

HI98129 (Combo) · HI98130 (Combo)

## pH/EC/TDS Testers

- **Waterproof**
  - Designed to float if accidentally dropped in a tank
- **Automatic Temperature Compensation**
  - All readings are compensated for variations in temperature
  - Temperature displayed in °C or °F along with pH reading
- **Stability indicator**
  - Meter displays a tag that will disappear when the reading has achieved stability
- **HOLD button**
  - Freezes reading on the display to allow recording of measurement
- **BEPS (Battery Error Prevention System)**
  - Meter will automatically shut off if there is not enough power to get an accurate measurement
- **Battery % level at startup**
- **Low Battery Indicator**
- **Auto-off**
  - Automatically shuts off after 8 minutes of non-use to maximize battery life

The HI98129 and HI98130 are waterproof testers that offer high accuracy pH, EC/TDS, and temperature measurements in a single tester; no more switching between meters for your routine measurements. These floating, waterproof combination testers have an easy-to-read LCD and an automatic shut-off. pH and EC/TDS readings are automatically temperature-compensated.



These testers feature a replaceable pH electrode cartridge as well as an EC/TDS graphite electrode. The replaceable pH cartridge means this tester does not need to be discarded when the pH sensor is exhausted.

The EC/TDS conversion factor is user-selectable, as well as the temperature compensation coefficient ( $\beta$ ).



## LCD Display Features



### On-screen battery life

LCD indicates the percentage of battery power remaining upon startup.



### HOLD function

The HOLD function “freezes” the LCD display temporarily.



### Instability & ATC indicators

Ensures reliable EC and TDS measurements. ATC symbol is shown when active.



### Standard or N.I.S.T buffer calibration

Automatic calibration is performed with two sets of memorized buffers for greater accuracy.



### Adjustable temperature coefficient factor

Users can choose between different factors ( $\beta$ ) for precise temperature compensated measurements.



### Adjustable TDS conversion factor

For measurement accuracy, users can choose between a range of conductivity to TDS conversion factors.

Specifications	HI98129	HI98130	
pH	Range	0.00 to 14.00 pH	0.00 to 14.00 pH
	Resolution	0.01 pH	0.01 pH
	Accuracy	±0.05 pH	±0.05 pH
Conductivity	Range	0 to 3999 $\mu$ S/cm	0.00 to 20.00 mS/cm
	Resolution	1 $\mu$ S/cm	0.01 mS/cm
	Accuracy	±2% F.S.	±2% F.S.
TDS	Range	0 to 2000 mg/L (ppm)	0.00 to 10.00 g/L (ppt)
	Resolution	1 ppm (mg/L)	0.01 ppt (g/L)
	Accuracy	±2% F.S.	±2% F.S.
Temperature	Range	0.0 to 60.0°C / 32.0 to 140.0°F	0.0 to 60.0°C / 32.0 to 140.0°F
	Resolution	0.1°C / 0.1°F	0.1°C / 0.1°F
	Accuracy	±0.5°C / ±1°F	±0.5°C / ±1°F
Additional Specifications	EC/TDS Calibration	automatic, one point at 1413 $\mu$ S/cm or 1382 ppm (mg/L)	automatic, one point at 12.88 mS/cm or 6.44 ppt (g/L)
	pH Calibration	automatic, one or two-point with two sets of standard buffers (pH 4.01 / 7.01 / 10.01 or 4.01 / 6.86 / 9.18)	
	Temperature Compensation	pH: automatic; EC/TDS: automatic with $\beta$ adjustable from 0.0 to 2.4% / °C	
	TDS Conversion Factor	0.45 to 1.00	
	pH Electrode	HI73127 (replaceable; included)	
	Environment	0 to 50°C (32 to 122°F); RH max 100%	
	Battery Type / Life	1.5V (4) / approx. 100 hours of continuous use; auto-off after 8 minutes of non-use	
	Dimensions / Weight	163 x 40 x 26 mm (6.4 x 1.6 x 1.0") / 100 g (3.5 oz.)	
Ordering Information	<b>HI98129</b> (Combo) is supplied with HI73127 pH electrode, HI73128 electrode removal tool, pH 4.01 buffer solution sachet, pH 7.01 buffer solution sachet, 1413 $\mu$ S/cm conductivity standard sachet, 1382 ppm TDS standard sachet, pH electrode cleaning solution sachet, storage solution sachet, batteries, and instructions.		
	<b>HI98130</b> (Combo) is supplied with HI73127 pH electrode, HI73128 electrode removal tool, pH 4.01 buffer solution sachet, pH 7.01 buffer solution sachet, 12880 $\mu$ S/cm conductivity standard sachet, 6.44 ppt TDS standard sachet, pH electrode cleaning solution sachet, storage solution sachet, batteries, and instructions.		



### High accuracy EC/TDS graphite probe

The graphite conductivity probe provides greater accuracy because it cannot be contaminated by salt deposits. The exposed temperature sensor provides fast response times and guarantees highly accurate temperature compensated readings.



### Replaceable pH electrode cartridge

The Combo features an easy-to-replace pH electrode. The sturdy, snap-in connector means there are no pins which could bend or break.