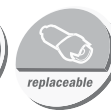
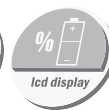


HI 98129 • HI 98130

pH/Conductivity/TDS Testers

Waterproof and Designed to Float

**On-screen Battery Life**

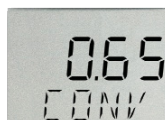
LCD indicates the percentage of battery power remaining upon startup.

**Standard or N.I.S.T Buffer Calibration**

Auto calibration is performed with 2 sets of memorized buffers for greater accuracy.

**Adjustable TDS Ratio**

For measurement accuracy, users can choose between different conductivity to TDS conversion factors.

**The Ultimate in HANNA Combination Testers!**

HI 98129 and HI 98130 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 testers have a large easy-to-read, dual-level LCD and automatic shut-off. pH and EC/TDS readings are automatically temperature compensated (ATC).

Your tester no longer needs to be thrown away when the pH sensor is exhausted. These technologically advanced testers have a replaceable pH electrode cartridge with an extendable cloth junction as well as an EC/TDS graphite electrode that resists contamination by salts and other substances. This gives these meters an extended life.

The EC/TDS conversion factor is user selectable, as is the temperature compensation coefficient (β).

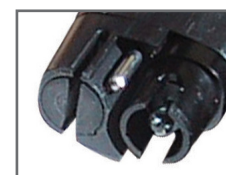
Fast, efficient, accurate and portable, the Combo pH, EC/TDS and temperature tester brings you all the features you've asked for and more!

Replaceable pH electrode cartridge

The Combo features an easy-to-replace pH electrode and has an extendable cloth junction. The sturdy, snap-in connector means there are no pins to bend or break.

**High accuracy**

The graphite conductivity electrode provides greater accuracy because it cannot be contaminated by salt deposits in the solution. The exposed temperature sensor provides fast response times, and guarantees accurate temperature compensated readings.

**SPECIFICATIONS**

	HI 98129	HI 98130	
Range	pH	0.00 to 14.00 pH	
	EC	0 to 3999 μ S/cm	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	Temperature	0.0 to 60.0°C / 32.0 to 140.0°F	
Resolution	pH	0.01 pH	
	EC	1 μ S/cm	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°C / 0.1°F	
Accuracy (@20°C)	pH	± 0.05 pH	
	EC / TDS	$\pm 2\%$ F.S.	
	Temperature	$\pm 0.5^\circ\text{C} / \pm 1^\circ\text{F}$	
Temperature Compensation	pH: automatic; EC/TDS: automatic with β adjustable from 0.0 to 2.4% / °C		
Calibration	pH	automatic, 1 or 2 points with 2 sets of standard buffers (pH 4.01 / 7.01 / 10.01 or 4.01 / 6.86 / 9.18)	
	EC / TDS	automatic, 1 point at 1413 μ S/cm or 1382 ppm	automatic, 1 point at 12.88 mS/cm or 6.44 ppt
TDS Conversion Factor	adjustable, from 0.45 to 1.00		
pH Electrode	HI 73127 (replaceable; included)		
Environment	0 to 50°C (32 to 122°F); RH max 100%		
Battery Type / Life	(4) 1.5V / 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

HI 98129 and **HI 98130** are supplied with 1.5V batteries (4), HI 73127 pH electrode and HI 73128 Tool to remove the pH electrode.

ELECTRODES

HI 73127 Spare pH electrode for Combo

SOLUTIONS

HI 70004P pH 4.01 buffer solution, 20 mL sachets (25)

HI 70007P pH 7.01 buffer solution, 20 mL sachets (25)

HI 70010P pH 10.01 buffer solution, 20 mL sachets (25)

HI 70030P 12.88 mS/cm buffer solution, 20 mL sachets (25)

HI 70031P 1413 μ S/cm buffer solution, 20 mL sachets (25)

HI 70032P 1382 ppm buffer solution, 20 mL sachets (25)

HI 70038P 6.44 ppt buffer solution, 20 mL sachets (25)

HI 70442P 1500 ppm calibration solution, 20 mL sachets (25)

HI 70300M Electrode storage solution, 250 mL

HI 7061M Electrode cleaning solution, 250 mL

ACCESSORIES

HI 73128 Electrode removal tool