

# pH/TDS/Conductivity

part no: HI 98129 (low range)  
part no: HI 98130 (high range)

Laboratory

HI 98129 and HI 98130 are waterproof testers that offer high accuracy pH, conductivity, total dissolved solids and temperature measurements in a single meter.

No more switching between meters for routine measurements:

- These floating, waterproof combination testers have an easy to read display and automatic shut-off
- pH and EC/TDS readings are automatically temperature compensated
- The EC/TDS conversion factor is user selectable as well as the temperature compensation coefficient
- Both testers feature a replaceable pH electrode cartridge together with an EC/TDS graphite electrode
- Automatic shut-off helps preserve battery life
- Replaceable pH cartridge extends life of the tester – when pH sensor is exhausted, simply replace it with a new one

## Calibrate direct into Hanna buffer solution sachets



pH • pH • pH • pH • pH

pocket testers

## Multiparameter pH, EC, TDS

- Automatic 1 or 2 point pH calibration
- Rubberised keyboard
  - Quick and easy to operate
  - Easy switch between Celsius & Fahrenheit readouts
  - HOLD function



- Easy to replace pH electrode cartridge with sturdy snap-in connector means there are no pins to bend or break

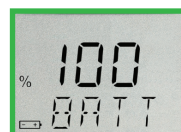


Illustration shows Low Range Tester HI 98129

- Large LCD display
  - pH and temperature displayed simultaneously
  - Automatic temperature compensation
  - BEPS Battery Error Prevention System
- Floating waterproof casing with tactile grip makes testing easier and less of a headache!



Removable safety cap



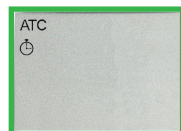
### On-screen battery life

LCD indicates the percentage of battery power remaining at startup



### HOLD function

The HOLD function "freezes" the LCD display temporarily



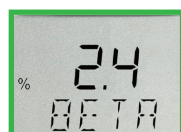
### Instability & ATC indicators

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



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

Automatic calibration is performed with 2 sets of memorised buffers for greater accuracy



### Adjustable temperature coefficient factor

Users can choose between different BETA (B) factors for precise temperature compensated measurements



### Adjustable TDS ratio

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

pH

### Low or High range conductivity?

Simply select the model that is most appropriate for your testing range:

**For low range: select HI 98129**

0 to 3999  $\mu\text{S}/\text{cm}$ ; 0 to 2000 ppm

**For high range: select HI 98130**

0.00 to 20.00  $\text{mS}/\text{cm}$ ; 0.00 to 10.00 ppt

### Supplied with

- HI 73127 pH electrode
- HI 73128 electrode removal tool
- Batteries
- Instructions



### Solutions

We manufacture a wide range of solutions for the care, cleaning and calibration of your electrodes.





### High accuracy EC/TDS graphite probe

The graphite conductivity probe provides greater accuracy because it cannot be contaminated by salt deposits in the solution.

The exposed temperature sensor provides fast response times and guarantees highly accurate temperature compensated readings.



**For replacement probe quote part number: HI 73127**

### Specifications

Product Code	HI 98129	HI 98130	
Range	pH	0.00 to 14.00	
	EC	0 to 3999 $\mu\text{S}/\text{cm}$	0.00 to 20.00 $\text{mS}/\text{cm}$
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	Temperature	0.0 to 60.0 °C / 30.0 to 140.0 °F	
Resolution	pH	0.01	
	EC	1 $\mu\text{S}/\text{cm}$	0.01 $\text{mS}/\text{cm}$
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°C	
Accuracy	pH	±0.05	
	EC/TDS	±2% F.S.	
	Temperature	±0.5 °C / ±1 °F	
Calibration	pH Automatic	1 or 2 points with 2 sets of memorised buffers, (pH 4.01/7.01/10.1 or pH 4.01/6.86/9.18)	
	EC/TDS Automatic	1 point at 1413 $\mu\text{S}/\text{c}$ , or 12.88 $\text{mS}/\text{cm}$	
Automatic Temperature Compensation	Yes		
Battery Type / Life	(4) 1.5V / 100 hours		
Battery Error Prevention System	Yes		
Auto-off	After 8 minutes		
Dimension / Weight	163 x 40 x 26 mm / 100 g		

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