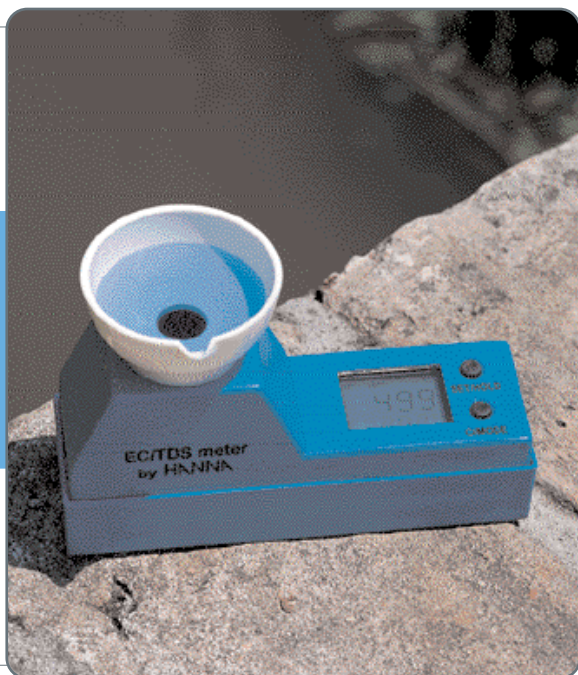


## Waterproof EC/TDS/°C/°F Meters



## Features ...

The new **HI 98321** & **HI 98322** portable meters from Hanna are designed for quick and easy, high accuracy EC, TDS and temperature measurements. These new waterproof instruments have a dual-level LCD that displays EC or TDS and °C or °F. These microprocessor meters have been developed in direct response to the requests of users in water treatment, boilers and cooling towers, reverse osmosis and agriculture. The rugged, easy-to-use **HI 98321** & **HI 98322** feature an on board sample cell with built-in funnel, digital readout, push button automatic calibration and automatic temperature compensation. The EC/TDS conversion factor and temperature coefficient ( $\beta$ ) are user adjustable for application-specific measurements.

At startup the **HI 98321** & **HI 98322** perform a self-check and then display the battery level to assure proper working condition. They also have a stability indicator and hold feature to prompt the user when to take the reading and freeze the display for easy and accurate recording.

Choose your model according to the EC/TDS range of your application:

- **HI 98321:** EC - 0 to 3999  $\mu$ S/cm; TDS - 0 to 2000 ppm
- **HI 98322:** EC - 0.00 to 20.00 mS/cm; TDS - 0.00 to 10.00 ppt

## ... and Benefits

Specifications	HI 98321	HI 98322
<b>Ranges</b>		
EC	0 to 3999 $\mu$ 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 or 32.0 to 140.0°F	0.0 to 60.0°C or 32.0 to 140.0°F
<b>Resolution</b>		
EC	1 $\mu$ S/cm	0.01 mS/cm
TDS	1 ppm	0.01 ppt
Temperature	0.1°C or 0.1°F	0.1°C or 0.1°F
<b>Accuracy (@20°C/68°F)</b>		
EC	±2% F.S.	±2% F.S.
TDS	±2% F.S.	±2% F.S.
Temperature	±0.5°C or ±1°F	±0.5°C or ±1°F
<b>Typical EMC Deviation</b>		
EC	±2% F.S.	±2% F.S.
TDS	±2% F.S.	±2% F.S.
Temperature	±0.5°C or ±1°F	±0.5°C or ±1°F
<b>EC/TDS Calibration</b>	Automatic 1 point at: 1413 $\mu$ S/cm	Automatic 1 point at: 12.88 mS/cm
<b>EC/TDS Conversion Factor</b>	Adjustable from 0.45 to 1.00	
<b>Temperature Compensation</b>	Automatic with $\beta$ = adjustable from 0.0 to 2.4% per °C	
<b>Environment</b>	From 0 to 50°C (32 to 122°F); RH 100%	
<b>Battery Type / Life</b>	4 x 1.5V AA with BEPS (Battery Error Prevention System) / 2000 hours Auto-off after 8 minutes of non-use	
<b>Dimensions</b>	120 x 53 x 81 mm (4.7 x 2.1 x 3.1")	
<b>Weight</b>	225 g (7.8 oz)	

## Ordering Information

**HI 98321** is supplied complete with 4 x 1.5V batteries and instructions.

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## Accessories

**HI 70031P** Cal. kit 1413  $\mu$ S/cm @ 25°C (25 x 20 mL)

**HI 70032P** Cal. kit 1382 ppm @ 25°C (25 x 20 mL)

**HI 70038P** Cal. kit 6.44 ppt @ 25°C (25 x 20 mL)

**HI 70039P** Cal. kit 5000  $\mu$ S/cm @ 25°C (25 x 20 mL)