

HI 98321 & HI 98322 Waterproof Conductivity, TDS & Temperature Meter

The new HI 98321 & HI 98322 portable meters from Hanna are designed for quick and easy, high accuracy conductivity, TDS and temperature measurements. 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.



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HANNA
instruments
Water Analysis & Control Division

NEW

HI 98321 • HI 98322

Waterproof Conductivity/TDS/Temperature Meters



Features ...

The new **HI 98321** & **HI 98322** portable meters from Hanna are designed for quick and easy, high accuracy conductivity, TDS and temperature measurements. These new waterproof instruments have a dual-level LCD that displays conductivity or TDS while simultaneously displaying temperature in either °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 conductivity/TDS conversion factor and temperature coefficient (β) 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 conductivity/TDS range of your application:

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

Specifications		HI 98321	HI 98322
Ranges	Cond.	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
	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
Resolution	Cond.	1 $\mu\text{S}/\text{cm}$	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
Accuracy (@20°C/68°F)	Cond.	±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
Typical EMC Deviation	Cond.	±2% F.S.	±2% F.S.
	TDS	±2% F.S.	±2% F.S.
	Temperature	±1°C or ±2°F	±1°C or ±2°F
Cond./TDS Calibration		Automatic 1 point at: 1413 $\mu\text{S}/\text{cm}$	Automatic 1 point at: 12.88 mS/cm
Cond./TDS Conversion Factor		Adjustable from 0.45 to 1.00 (factory default is 0.50)	
Temperature Compensation		BETA β = adjustable from 0.0 to 2.4 per °C (factory default is 1.9)	
Environment		From 0 to 50°C (32 to 122°F); RH 100%	
Battery Type / Life		4 x 1.5V AA with BEPS (Battery Error Prevention System) / approx. 100 hours Auto-off after 8 minutes of non-use	
Dimensions		4.7 x 2.1 x 3.1" (120 x 53 x 81 mm)	
Weight		7.8 oz (225 g)	

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 $\mu\text{S}/\text{cm}$ @ 25°C, 25 x .68 oz. (20 mL)

HI 70030P 12880 μS cal. sol., 25 x .68 oz. (20 mL)

*Solutions are also available in bottles with different sizes to fit your need.

Authorized Distributor www.clarksonlab.com

HANNA
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Water Analysis & Control Division

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