

EC and TDS Testers



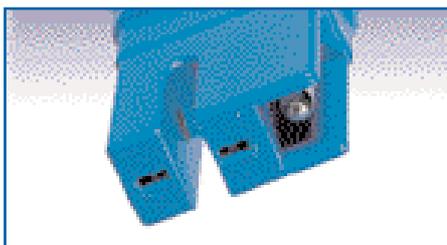
The DiST® testers are reliable, pocket-sized instruments that will give you quick and accurate readings of conductivity and TDS.

This popular line of Dissolved Solids Testers has been redesigned to offer a host of improvements.

The casing has been designed for increased strength, a better fit for holding and a large LCD for easy viewing. The graphite sensors provide better repeatability since they do not oxidize. The casing has been engineered to allow air bubbles to escape. The temperature sensor is exposed to provide faster response time.

HI 98300, HI 98301 (DiST®1) and HI 98302 (DiST®2) perform TDS measurements, while HI 98303 (DiST®3) and HI 98304 (DiST®4) provide conductivity readings.

If calibration is necessary, simply submerge the electrode tip into calibration solution and adjust the easily accessible trimmer on the side of the tester.



Specifications

	HI 98300 / HI 98301 (DiST® 1)	HI 98302 (DiST® 2)	HI 98303 (DiST® 3)	HI 98304 (DiST® 4)
Range	1999 ppm (mg/L)	10.00 ppt (g/L)	1999 μ S/cm	19.99 mS/cm
Resolution	1 ppm (mg/L)	0.01 ppt (g/L)	1 μ S/cm	0.01 mS/cm
Accuracy (@20°C/68°F)	±2% F.S.	±2% F.S.	±2% F.S.	±2% F.S.
TDS Factor	0.65 / 0.5	0.5	-	-
Calibration Solution	HI 70442P / HI 70032P	HI 70038P	HI 70031P	HI 70039P or HI 70030P
Calibration	manual, 1 point	manual, 1 point	manual, 1 point	manual, 1 point
Probe	HI 73301	HI 73302	HI 73303	HI 73304
Temperature Compensation	automatic, 0 to 50°C (32 to 122°F)			
Battery Type / Life	4 x 1.5V / approx. 200 hours of continuous use			
Environment	0 to 50°C (32 to 122°F); RH max 95%			
Dimensions	175 x 41 x 23 mm (6.9 x 1.6 x 0.9")			
Weight	95 g (3.4 oz.)			

Ordering Information

HI 98300 (DiST® 1 with TDS factor = 0.65) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98301 (DiST® 1 with TDS factor = 0.5) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98302 (DiST® 2 with TDS factor = 0.5) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98303 (DiST® 3) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98304 (DiST® 4) is supplied complete with protective cap, screwdriver, batteries and instructions.

Accessories

HI 73301*	Spare probe for HI 98300 and HI 98301	HI 70032P	1382 ppm calibration solution, 20 mL sachet, 25 pcs.
HI 73302*	Spare probe for HI 98302	HI 7032M	1382 ppm calibration solution, 230 mL bottle
HI 73303*	Spare probe for HI 98303	HI 70442P	1500 ppm calibration solution, 20 mL sachet, 25 pcs.
HI 73304*	Spare probe for HI 98304	HI 70038P	6.44 ppt calibration solution, 20 mL sachet, 25 pcs.
HI 70030P	12.88 mS/cm calibration solution, 20 mL sachet, 25 pcs.	HI 70039P	5.00 mS/cm calibration solution, 20 mL sachet, 25 pcs.
HI 7030M	12.88 mS/cm calibration solution, 230 mL bottle	HI 7039M	5.00 mS/cm calibration solution, 230 mL bottle
HI 70031P	1413 μ S/cm calibration solution, 20 mL sachet, 25 pcs.		
HI 7031M	1413 μ S/cm calibration solution, 230 mL bottle		

* To be replaced by authorized technical personnel only.

For a complete range of calibration, cleaning and maintenance solutions, see section F.



- Sealed battery compartment
- Dual level LCD displays EC/TDS and temperature
- One handed push button operation
- Floating, waterproof casing
- Replaceable EC/TDS graphite electrode
- Exposed temperature sensor



Waterproof EC/TDS/Temperature Testers

The original **DiST®** (Dissolved Solids Tester) was first introduced in 1986 by **HANNA instruments®**. Since then, the measurement of Conductivity and Total Dissolved Solids has never been easier. The **DiST®**'s ease-of-use, in combination with its affordability, made it the standard in EC and TDS measurement. **HANNA instruments®** continues the tradition of innovation with the **DiST®5** and **DiST®6**. We at **HANNA instruments®** have always valued the comments and suggestions coming from our customers. For this series, we have included all the features you have asked for and more! The **DiST®5** and **DiST®6** include features such as a replaceable graphite electrode, adjustable TDS ratio, temperature in °C or °F, automatic temperature compensation with adjustable β , battery level indicator, stability indicator, automatic shut-off and automatic calibration all in a floating, waterproof casing. This 3-in-1 tester is unmatched in EC/TDS/Temperature measurement!

Specifications

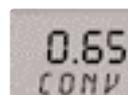
		HI 98311 (DiST®5)	HI 98312 (DiST®6)
Range	EC	0 to 3999 $\mu\text{S}/\text{cm}$	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	Temperature	0.0 to 60.0°C / 32.0 to 140.0°F	
Resolution	EC	1 $\mu\text{S}/\text{cm}$	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°C / 0.1°F	
Accuracy (@20°C)	EC	±2% F.S.	
	TDS	±2% F.S.	
	Temperature	±0.5°C / ±1°F	
Calibration		automatic, 1 point	
TDS Conversion Factor		adjustable from 0.45 to 1.00	
Temperature Compensation		automatic, with β adjustable from 0.0 to 2.4% / °C	
Environment		0 to 50°C (32 to 122°F); RH max 100%	
Battery Type / Life		4 x 1.5V with BEPS / approx. 100 hours of continuous use, auto-off after 8 minutes of non-use	
Dimensions		163 x 40 x 26 mm (6.4 x 1.6 x 1.0")	
Weight		100 g (3.5 oz.)	

Remaining battery life indication



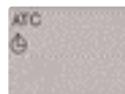
When turned on, the LCD indicates the percentage of the remaining battery life.

Adjustable TDS ratio



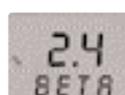
For greater accuracy of measurement, the user can choose between different conductivity to TDS conversion factors.

Instability and ATC indicators



Instability indicator ensures reliable EC and TDS measurements. The ATC symbol is shown when temperature compensation is active.

Adjustable temperature coefficient



For more precise temperature compensated measurements, the user can choose between different BETA factors.

Ordering Information

HI 98311 (DiST®5) is supplied complete with protective cap, batteries, probe removal tool and instructions.

HI 98312 (DiST®6) is supplied complete with protective cap, batteries, probe removal tool and instructions.

Accessories

HI 73311	Spare probe for HI 98311 and HI 98312
HI 70030P	12.88 mS/cm calibration solution, 20 mL sachet, 25 pcs.
HI 70031P	1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs.
HI 70032P	1382 ppm calibration solution, 20 mL sachet, 25 pcs.
HI 70038P	6.44 ppt calibration solution, 20 mL sachet, 25 pcs.
HI 70442P	1500 ppm calibration solution, 20 mL sachet, 25 pcs.
HI 73128	Probe removal tool

For a complete range of solutions, see section F.