

EC and TDS Testers

DiST®



Exposed temperature sensor

These testers feature exposed temperature sensors for faster response times.



Guides

The max level guide lets you know how deep to submerge the probe.



- Graphite electrodes
- ATC
- Simple one point calibration
- Easy to use
- Economical

DiST's are rugged and reliable pocket-sized testers that offer quick and accurate readings of conductivity or TDS.

The DiST® family of testers is widely used for monitoring EC/TDS in drinking water, water conditioning, reverse osmosis, cooling towers, wastewater, laboratories, agriculture, aquaculture and aquariums, hydroponics and the printing industry.

These testers feature an amperometric graphite electrode that provides better repeatability in measurements since they do not oxidize. An amperometric measurement of EC/TDS is based on Ohm's Law, $I = V/R$ where R depends on the distance between two pins and their surface. Oxidation changes both the distance and surface which will affect accuracy. The DiST's non-oxidizing graphite pins are able to provide an optimal surface for accurate, dependable results.

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

ORDERING INFORMATION

HI 98300 (DiST®1), HI 98301 (DiST®1), HI 98302 (DiST®2), HI 98303 (DiST®3) and HI 98304 (DiST®4) are supplied with protective cap, screwdriver, batteries and instructions.

ELECTRODES

HI 73301* Spare probe for HI 98300 / HI 98301
 HI 73302* Spare probe for HI 98302
 HI 73303* Spare probe for HI 98303
 HI 73304* Spare probe for HI 98304

SOLUTIONS

HI 70030P 12.88 mS/cm calibration solution, 20 mL sachets (25)
 HI 70031P 1413 µS/cm calibration solution, 20 mL sachets (25)
 HI 70032P 1382 mg/L (ppm) calibration solution, 20 mL sachets (25)
 HI 70442P 1500 mg/L (ppm) calibration solution, 20 mL sachets (25)
 HI 70038P 6.44 g/L (ppt) calibration solution, 20 mL sachets (25)
 HI 70039P 5.00 mS/cm calibration solution, 20 mL sachets (25)

* To be replaced by authorized technical personnel only.

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

For a complete list of Solutions, see the end of Conductivity Section 6.