

DiST®: HI98301 • HI98302
HI98303 • HI98304

EC and TDS Testers

- Automatic temperature compensation (ATC)
- One-point calibration

The DiST® family 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 improved 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 directly affect accuracy. DiST® non-oxidizing graphite pins are able to provide an optimal surface for accurate, dependable results.

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



- **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.



Specifications		HI98301 (DiST® 1)	HI98302 (DiST® 2)	HI98303 (DiST® 3)	HI98304 (DiST® 4)
TDS	Range	1999 mg/L (ppm)	10.00 g/L (ppt)	–	–
	Resolution	1 mg/L (ppm)	0.01 g/L (ppt)	–	–
	Accuracy (@25°C/77°F)	±2% F.S.	±2% F.S.	–	–
EC	Range	–	–	1999 µS/cm	19.99 mS/cm
	Resolution	–	–	1 µS/cm	0.01 mS/cm
	Accuracy (@25°C/77°F)	–	–	±2% F.S.	±2% F.S.
Additional Specifications	TDS Factor	0.65 / 0.5	0.5	–	–
	Calibration Solution	HI70442: 1500 ppm HI70032: 1382 ppm	HI70038: 6.44 ppt	HI70031: 1413 mS/cm	HI70039: 5.00 mS/cm HI70030: 12.88 mS/cm
	Calibration	manual, one point	manual, one point	manual, one point	manual, one point
	Temperature Compensation	automatic from 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.)			
Ordering Information		HI98301 (DiST®1), HI98302 (DiST®2), HI98303 (DiST®3) and HI98304 (DiST®4) are supplied with protective cap, screwdriver, batteries and instructions.			

For a list of our EC and TDS solutions, see section 6