

DiST®: HI98301 · HI98302 · HI98303
HI98304

EC and TDS Testers

- Waterproof
- Automatic temperature compensation (ATC)
- Automatic one-point calibration
- Measurement stability indicator
- Temperature measurement

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 the meter will auto calibrate.



Exposed temperature sensor

These testers feature exposed temperature sensors for faster response times.



Watertight seal

An easily removable cover provides access to the battery compartment.



Specifications		HI98301 (DiST®1)	HI98302 (DiST®2)	HI98303 (DiST®3)	HI98304 (DiST®4)
TDS	Range	0 to 2000 mg/L (ppm)	0.00 to 10.00 g/L (ppt)	–	–
	Resolution	1 mg/L (ppm)	0.01 g/L (ppt)	–	–
	Accuracy (@25°C/77°F)	±2% F.S.	–	–	–
	TDS Factor	0.5	0.5	–	–
EC	Range	–	–	0 to 2000 µS/cm	0.00 to 20.00 mS/cm
	Resolution	–	–	1 µS/cm	0.01 mS/cm
	Accuracy (@25°C/77°F)	–	–	±2% F.S.	–
Temperature	Range	0.0 to 50.0°C/32.0 to 122.0°F			
	Resolution	0.1°C / 0.1°F			
	Accuracy (@25°C/77°F)	±0.5°C / ±1.0°F			
Additional Specifications	Calibration Solution	HI70032: 1382 ppm	HI70038: 6.44 ppt	HI70031: 1413 mS/cm	HI70030: 12.88 mS/cm
	Calibration	automatic, one-point			
	Temperature Compensation	automatic from 0 to 50°C (32 to 122°F)			
	Battery Type / Life	CR2032 3V Li-ion / approx. 250 hours of continuous use			
	Environment	0 to 50°C (32 to 122°F); RH 100% max			
	Dimensions	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")			
	Weight	75 g (2.6 oz.)			
	Ordering Information	<p>HI98301 (DiST 1) is supplied with CR2032 battery, 1382 ppm calibration solution sachet (4), storage/protection sleeve, instruction manual and quality certificate.</p> <p>HI98302 (DiST 2) is supplied with CR2032 battery, 6.44 ppt calibration solution sachet (4), storage/protection sleeve, instruction manual and quality certificate.</p> <p>HI98303 (DiST 3) is supplied with CR2032 battery, 1413 µS/cm calibration solution sachet (4), storage/protection sleeve, instruction manual and quality certificate.</p> <p>HI98304 (DiST 4) is supplied with CR2032 battery, 12.88 mS/cm calibration solution sachet (4), storage/protection sleeve, instruction manual and quality certificate.</p>			

EC and TDS solutions begin on page 5.34

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