

DiST-Hi-tech Conductivity and TDS Testers with ATC

- **HI 98301 (DiST 1) & HI 98303 (DiST 3)** Water Treatment (softener, demineralization, reverse osmosis, drinking water), Fish Farming, Aquariums & Pollution Control.
- **HI 98302 (DiST 2) & HI 98304 (DiST 4)** Agriculture, Horticulture and Hydroponics, Cooling Towers, Boiling and Steam Heating Plants & Water Purification Plants.
- Order Information
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Regardless of what field you are in, the amount of salt or solids (TDS) in water is important. Salt causes corrosion and leaves scale deposits which will damage industrial equipment. Too much salt can harm aquatic flora and fish and too little salt (low conductivity) will prevent effective transfer of nutrients to plants. Salt is also undesirable in drinking water.

The **DiST** testers are reliable, pocket-sized instruments that will give you quick and accurate readings of conductivity and TDS. **DiST 1** and **DiST 2** measure TDS, while **DiST 3** and **DiST 4** measure conductivity.

The casing of the popular **DiST** testers has been redesigned for increased strength, to better fit your hand and also offer a much larger LCD for easier viewing. The graphite sensors provide better repeatability since they do not oxidize. The probe is user replaceable. In fact, the whole PCB module slides out and can be replaced. The casing has been shaped in such a way as to ease air bubbles out. The temperature sensor is exposed and provides faster response time.

Temperature effects your conductivity measurements by 2% per degree centigrade. **A**utomatic **T**emperature **C**ompensation assures that all readings are corrected to compensate for the effect of temperature. An LCD displays the digits clearly so they can be read at virtually any angle. If calibration is necessary simply submerge the electrode into calibration solution, and turn the trimmer at the back of the tester.

Specifications:	**DiST 1**	**DiST 2**	**DiST 3**	**DiST 4**
Range:	1999 ppm (mg/L)	10.00 ppt (g/L)	1999 µS/cm	19.99 mS/cm
Resolution:	1 ppm (mg/L)	0.01 ppt (g/L)	1 µS/cm	0.01 mS/cm
Accuracy(@20°C/68°F)**:**	±2% Full Scale	±2% Full Scale	±2% Full Scale	±2% Full Scale
Typical EMC Deviation:	±2% Full Scale	±2% Full Scale	±2% Full Scale	±2% Full Scale
Calibration Solution:	HI 70032P	HI 70038P	HI 70031P	HI 70039P
Calibration:	Manual 1 point through trimmer			
Temp.Compensation:	Automatic from 0 to 50°C (32 to 122°F)			
Battery Type/Life:	4 x 1.4V / **150 hours** approx. continuous use			
Environment:	0 to 50°C (32 to 122°F); RH 95%			
Dimensions:	175 x 41 x 23 mm (7.9 x 1.8 x 1")			
Weight:	78 g (2.7 oz.)			

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