

# NEW & IMPROVED DiST

## Hi-tech Conductivity and TDS Testers with ATC

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.

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. There are many additional improvements too. The graphite sensors provide better repeatability since they do not oxidize. The measurements are impervious to the shape of the vessel. 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.

DiST 1 and DiST 2 measure TDS, while DiST 3 and DiST 4 measure conductivity. Temperature affects your conductivity measurements by 2% per degree centigrade. Automatic Temperature Compensation assures that all readings are corrected to compensate for the effect of temperature.

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

### DiST 1 & DiST 3

- Water treatment (softener, demineralization, reverse osmosis, drinking water).
- Fish farming and aquariums.
- Pollution control.

### DiST 2 & DiST 4

- Agriculture, horticulture and hydroponics.
- Cooling towers.
- Boiling and steam heating plants.
- Water purification plants.

### SPECIFICATIONS

	DiST1	DiST2	DiST3	DiST4
RANGE	1999 ppm (mg/L)	10.00 ppt (g/L)	1999 $\mu$ S/cm	19.99 mS/cm
RESOLUTION	1 ppm (mg/L)	0.01 ppt (g/L)	1 $\mu$ S/cm	0.01 mS/cm
ACCURACY (@20°C/68°F)	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale
TYPICAL EMC DEVIATION	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale	$\pm$ 2% Full Scale
CALIBRATION SOLUTION	HI 70032P	HI 70038P	HI 70031P	HI 70039P
CALIBRATION	Manual 1 point through trimmer			
TEMPERATURE 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.)			

### HOW TO ORDER

HI 98301 (DiST1) is supplied complete with protective cap, 4 x 1.4V batteries and instructions

HI 98302 (DiST2) is supplied complete with protective cap, 4 x 1.4V batteries and instructions

HI 98303 (DiST3) is supplied complete with protective cap, 4 x 1.4V batteries and instructions

HI 98304 (DiST4) is supplied complete with protective cap, 4 x 1.4V batteries and instructions

### ACCESSORIES

HI 73301 Probe for HI 98301

HI 73302 Probe for HI 98302

HI 73303 Probe for HI 98303

HI 73304 Probe for HI 98304

HI 7031M 1413  $\mu$ S/cm @ 25°C cal. sol., 230 mL

HI 70031P 1413  $\mu$ S/cm @ 25°C cal. kit (25 x 20 mL)

HI 7032M 1382 ppm @ 25°C cal. sol., 230 mL

HI 70032P 1382 ppm @ 25°C cal. kit (25 x 20 mL)

HI 70038P 6.44 ppt @ 25°C cal. kit (25 x 20 mL)

HI 7039M 5000  $\mu$ S/cm @ 25°C cal. sol., 230 mL

HI 70039P 5000  $\mu$ S/cm @ 25°C cal. kit (25 x 20 mL)

For a complete range of calibration and maintenance solutions see pages H34-H35 & G12.



