

### SPECIFICATIONS

#### Range / Resolution

DiST <sup>®</sup> 1 (HI98300/301)	1999 ppm / 1ppm
DiST <sup>®</sup> 2 (HI98302)	10.00 ppt / 0.01ppt
DiST <sup>®</sup> 3 (HI98303)	1999 $\mu$ S/cm / 1 $\mu$ S/cm
DiST <sup>®</sup> 4 (HI98304)	19.99 mS/cm / 0.01mS/cm

Accuracy (@20°C/68°F)  $\pm$  2% f.s.

Typical EMC Deviation  $\pm$  1% f.s.

#### TDS Factor

HI 98300	0.65
HI 98301 / HI 98302	0.5

#### Calibration Solutions

HI 98300	HI 70442 (1500 ppm)
HI 98301	HI 70032 (1382 ppm)
HI 98302	HI 70038 (6.44 ppt)
HI 98303	HI 70031 (1413 $\mu$ S/cm)
HI 98304	HI 70039 (5.00 mS/cm) or HI 70030 (12.88 mS/cm)

#### Temperature Compensation

Automatic, 0 to 50°C (32 to 122°F)

Environment 0 to 50°C (32 to 122°F);  
RH 95% non-condensing

Battery Type 4 x 1.5V alkaline

Battery Life approx. 200 hours of use

Dimensions 175 x 41 x 23 mm  
(6.9 x 1.6 x 0.9")

Weight 95 g (3.4 oz.)

### WARRANTY

These meters are guaranteed for one year against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. Probes are guaranteed for six months. This warranty is limited to repair or replacement free of charge. Damages due to accident, misuse, tampering or lack of prescribed maintenance are not covered. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization Number from the Customer Service department and then send it with shipment costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.

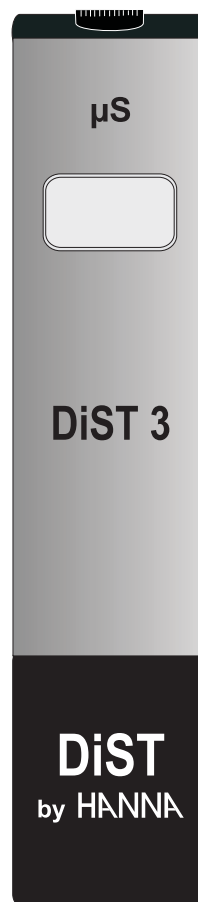
The DiST<sup>®</sup> models are in compliance with the CE directives.

ISTDISTNEW-R5 05/05

# DiST<sup>®</sup>

## HI 98300 / 301 / 302 HI 98303 / 304

### EC and TDS Testers with ATC



 **HANNA<sup>®</sup>**  
instruments

Distributed By:

**APPLIED**  
**MEMBRANES INC.<sup>®</sup>**

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### OPERATION

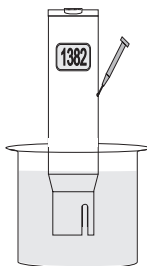
- Remove the protective cap, turn the DiST<sup>®</sup> on, and immerse it into the solution to be tested, without exceeding the maximum immersion level.
- Stir gently and wait for the reading to stabilize. DiST<sup>®</sup> automatically compensates for temperature variations.
- The reading on display is directly expressed in: ppm (mg/L) for DiST<sup>®</sup>1 (HI 98300 / 301), ppt (g/L) for DiST<sup>®</sup>2 (HI 98302),  $\mu\text{S}/\text{cm}$  for DiST<sup>®</sup>3 (HI 98303) and mS/cm for DiST<sup>®</sup>4 (HI 98304).



### CALIBRATION

- Immerse the DiST<sup>®</sup> in the proper calibration solution (see Specifications table), without exceeding the maximum immersion level.
- Allow the reading to stabilize and with a small screwdriver adjust the calibration trimmer until the display shows the required solution value.

For example HI 70032 is the correct calibration solution for HI 98301, and the trimmer should be turned until the display shows "1382".



### PROBE REPLACEMENT

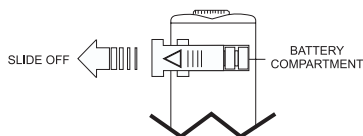
For replacing the probe, contact your Dealer or the nearest Hanna Service Center.

- Replace the built-in probe with a new:
  - HI 73301 for DiST<sup>®</sup>1
  - HI 73302 for DiST<sup>®</sup>2
  - HI 73303 for DiST<sup>®</sup>3
  - HI 73304 for DiST<sup>®</sup>4

### BEPS AND BATTERY REPLACEMENT

DiST<sup>®</sup>T is provided with BEPS (Battery Error Preventing System), which avoids any erroneous reading due to low battery level, by switching the meter off.

To replace the batteries, slide off the battery compartment cover and replace all four 1.5V batteries while paying attention to their polarity.



Batteries should only be replaced in a non-hazardous area, and using the battery type specified in this instruction manual.

### ACCESSORIES

HI 70030P	12880 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs
HI 70031P	1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs
HI 70032P	1382 ppm (mg/L) calibration solution, 20 mL sachet, 25 pcs
HI 70038P	6.44 ppt (g/L) calibration solution, 20 mL sachet, 25 pcs
HI 70039P	5000 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs
HI 70442P	1500 ppm calibration solution, 20 mL sachet, 25 pcs
HI 73301	Spare electrode for DiST <sup>®</sup> 1
HI 73302	Spare electrode for DiST <sup>®</sup> 2
HI 73303	Spare electrode for DiST <sup>®</sup> 3
HI 73304	Spare electrode for DiST <sup>®</sup> 4
HI 731326	Calibration screwdriver (20 pcs.)

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