

## Care and Maintenance

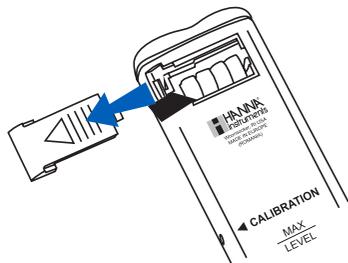
To obtain the highest accuracy for measurements it is important to follow these tips:

- Calibration is only as good as the solution being used. The calibration solution values change over time once the sachets are opened. Fresh solution should be used for each calibration.
- The probe should be rinsed with purified water each time before placing in calibration solution or sample to be tested.

FOR REPLACING THE PROBE, CONTACT YOUR DEALER OR THE NEAREST HANNA SERVICE CENTER.

- Replace the built-in probe with a new:
  - HI73301 for DiST®1
  - HI73302 for DiST®2
  - HI73303 for DiST®3
  - HI73304 for DiST®4

## Battery Replacement



DiST® is provided with Battery Error Prevention System (BEPS), which avoids any erroneous reading due to low battery level, by switching the meter off. To change the batteries, slide off the battery compartment cover and replace all four 1.5 V batteries while paying attention to their polarity.

**Note:** Batteries should only be replaced in a safe area using the battery type specified in this instruction manual. Old batteries should be disposed in accordance with local regulations.

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## Recommendations for Users

Before using Hanna products, make sure that they are entirely suitable for your specific application and for the environment in which they are used. Operation of these instruments may cause unacceptable interferences to other electronic equipment, thus requiring the operator to take all necessary steps to correct such interferences. Avoid touching the probes at all times. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid damages or burns, do not put the instrument in microwave oven. For yours and the instrument safety do not use or store the instrument in hazardous environments.

## Warranty

These meters are warranted for a period of one year against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. Probes are warranted for a period of six months. This warranty is limited to repair or replacement free of charge. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered. If service is required, contact your local Hanna office. If under warranty, report the model number, date of purchase, serial number and the nature of the problem. 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 (RGA) number from the Technical Service department and then send it with shipping costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.

Hanna Instruments reserves the right to modify the design, construction, or appearance of its products without advance notice.

## Accessories

### Spare Probe

Code	Description
HI73301	Spare probe for DiST®1
HI73302	Spare probe for DiST®2
HI73303	Spare probe for DiST®3
HI73304	Spare probe for DiST®4

### Solutions

Code	Description
HI70030P	12880 µS/cm calibration solution, 20 mL sachets (25 pcs.)
HI70031P	1413 µS/cm calibration solution, 20 mL sachets (25 pcs.)
HI70032P	1382 ppm (mg/L) calibration solution, 20 mL sachets (25 pcs.)
HI70038P	6.44 ppt (g/L) calibration solution, 20 mL sachets (25 pcs.)
HI70039P	5000 µS/cm calibration solution, 20 mL sachets (25 pcs.)
HI70442P	1500 ppm (mg/L) calibration solution, 20 mL sachet (25 pcs.)

### Other Accessories

Code	Description
HI740026P	Replacement 1.5 V batteries (12 pcs.)

## INSTRUCTION MANUAL

# DiST® HI98300 / HI98301 / HI98302 / HI98303 / HI98304 EC and TDS Testers with ATC



# Thank You

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using the instrument.

For more information about Hanna and our products, visit [www.hannainst.com](http://www.hannainst.com).

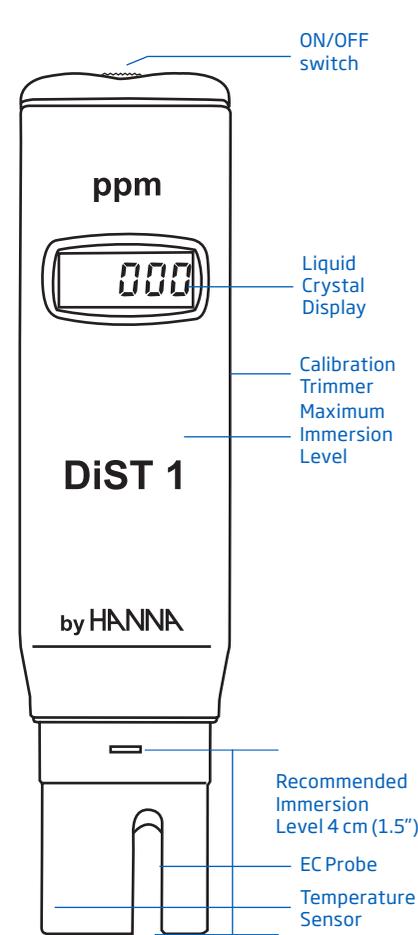
For technical support, contact your local Hanna office or email us at [tech@hannainst.com](mailto:tech@hannainst.com)

Find your local Hanna office on [www.hannainst.com](http://www.hannainst.com)

## Specifications

Range	0 to 1999 ppm	0 to 1999 ppm	0.00 to 10.00 ppt	0 to 1999 µS/cm	0.00 to 1999 mS/cm
Resolution	1 ppm	1 ppm	0.01 ppt	1 µS/cm	0.01 mS/cm
Accuracy (@25°C/77°F)	±2 fs.	±2 fs.	±2 fs.	±2 fs.	±2 fs.
TDS factor	0.65	0.5	0.5	-	-
Calibration Solutions	HI70442 (1500 ppm)	HI70032 (1382 ppm)	HI70038 (6.44 ppt)	HI70031 (1413 µS/cm)	HI70039 (5000 mS/cm) or HI70030 (2.88 mS/cm)
Calibration	Manual, one point				
Temperature Compensation	Automatic, 0 to 50 °C (32 to 122 °F)				
Battery Type	1.5 V alkaline (4)				
Battery Life	Approximately 200 hours of continuous use				
Environment	0 to 50 °C (32 to 122 °F); RH 95% max				
Dimensions	173 x 42 x 23 mm (6.8 x 1.7 x 0.9")				
Weight	87 g (3.1 oz)				

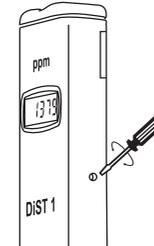
## Operation



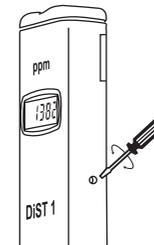
## Meter Calibration



Immerse the DiST® in the proper calibration solution without exceeding the maximum immersion level. Allow time for the reading to stabilize.



Use a small screwdriver to adjust the trimmer until the display indicates the required solution value.



For example HI70032 is the correct calibration solution for HI98301 the trimmer should be turned until the display indicates "1382".

The calibration is finished.

## Meter Overview

### Preparation:

The probe is shipped dry. Before using the DiST®, remove the protective cap and soak the tip of the probe in distilled water. Then follow the calibration procedure.

- Turn the DiST® on by switching ON/OFF button.
- Remove the protective cap and immerse the tip of the probe in the sample to be tested.
- Stir gently and wait for a stable reading.
- DiST® automatically compensates for temperature variations.
- The reading on display is directly expressed in: ppm (mg/L) for DiST®1 (HI98300/HI98301), ppt (g/L) for DiST®2 (HI98302), µS/cm for DiST®3 (HI98303) and mS/cm for DiST®4 (HI98304).
- For best results, recalibrate periodically.

NEVER IMMERSER THE METER OVER THE MAXIMUM IMMERSION LEVEL.

- After use, switch the meter off, rinse the probe with water.
- Always replace the protective cap after each use.

DO NOT USE SOLUTION FOR STORAGE PURPOSES.