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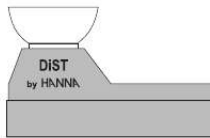
You can read the recommendations in the user guide, the technical guide or the installation guide for HANNA INSTRUMENTS DIST 8. You'll find the answers to all your questions on the HANNA INSTRUMENTS DIST 8 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HANNA INSTRUMENTS DIST 8**  
**User guide HANNA INSTRUMENTS DIST 8**  
**Operating instructions HANNA INSTRUMENTS DIST 8**  
**Instructions for use HANNA INSTRUMENTS DIST 8**  
**Instruction manual HANNA INSTRUMENTS DIST 8**

### Instruction Manual

## DiST® 7 & DiST® 8

EC/TDS & Temperature meters



### WARRANTY

**DiST® 7 & DiST® 8 are warranted for one year** against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. 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.

*All rights are reserved. Reproduction in whole or in part is prohibited without the written consent of the copyright owner.*

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

Dear Customer,

Thank you for choosing a Hanna product. Please read carefully this instruction manual before using the meter. If you need additional technical information, do not hesitate to e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com). These instruments are in compliance with the CE directives.

### PRELIMINARY EXAMINATION

Remove the instrument from the packing material and examine it carefully. If any damage has occurred during shipment, immediately notify your Dealer or the nearest Hanna Customer Service Center.

Each meter is supplied complete with:

- Calibration solution, 20 mL sachet  
HI 70081 (1413 µS/cm) for DiST® 7  
HI 70080 (12.88 mS/cm) for DiST® 8
- 4 x 1.5V AA batteries
- Instruction manual

**Note:** Conserve all packing material until the instrument has been observed to function correctly. Any defective item must be returned in its original packing.

### GENERAL DESCRIPTION

**DiST® 7 and DiST® 8** are portable EC/TDS and temperature meters specially designed for analytical field applications.

These meters provide fast, accurate, on-the-spot measurements, with a unique stability indicator right on the LCD.

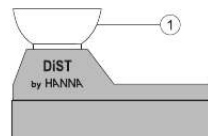
All EC/TDS readings are automatically temperature compensated (ATC), and temperature values can be displayed in °C or °F units.

The EC/TDS conversion factor (CONV) is selectable by the user, as well as the temperature compensation coefficient b (BETA). The meters can be easily calibrated at one point.

A low battery symbol warns the user when the batteries are to be replaced. In addition, the Battery Error Prevention System (BEPS) automatically turns the meter off for avoiding erroneous readings caused by low voltage level.

The built-in temperature and conductivity sensors are protected inside the cell cup.

### FUNCTIONAL DESCRIPTION



### TOP VIEW



1. Cell cup
2. SET/HOLD button
3. ON/OFF/MODE button
4. Low battery indicator
5. Stability indicator

### SPECIFICATIONS

<b>Range</b>	0.0 to 60.0°C / 32.0 to 140.0°F
DiST 7	0 to 3999 µS/cm / 0 to 2000 ppm
DiST 8	0.00 to 20.00 mS/cm / 0.00 to 10.00 ppt
<b>Resolution</b>	0.1°C / 0.1°F
DiST 7	1 µS/cm / 1 ppm
DiST 8	0.01 mS/cm / 0.01 ppt
<b>Accuracy (@20°C/68°F)</b>	± 0.5°C / ± 1°F
	± 2% fs (EC/TDS)
<b>Typical EMC Deviation</b>	± 0.5°C / ± 1°F
	± 2% fs (EC/TDS)
<b>Temperature Compensation</b>	Automatic, with β adjustable from 0.0 to 2.4%/°C
<b>TDS Factor</b>	Adjustable from 0.45 to 1.00 (CONV)
<b>Calibration</b>	Automatic, 1 point
<b>Calibration Solutions</b>	
DiST 7	HI 70081 (1413 µS/cm)
	HI 70082 (1382 ppm with CONV=0.5)
	HI 70442 (1500 ppm with CONV=0.7)
DiST 8	HI 70080 (12.88 mS/cm)
	HI 70038 (6.44 ppt with CONV=0.5 or 9.02 ppt with CONV=0.7)
<b>Environment</b>	0 to 50°C (32 to 122°F); RH 100%
<b>Battery Type</b>	4 x 1.5V AA
<b>Battery Life</b>	Approx. 2000 hours of use
<b>Auto-off</b>	After 8 minutes of non-use
<b>Dimensions</b>	120 x 53 x 81 mm (4.7 x 2.1 x 3.2")
<b>Weight</b>	205 g (7.2 oz)



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**Manual abstract:**

Please read carefully this instruction manual before using the meter. If you need additional technical information, do not hesitate to e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com). These instruments are in compliance with the CE directives. FUNCTIONAL DESCRIPTION SPECIFICATIONS Range 0.0 to 60.0°C / 32.0 to 140.0°F DiST 7 0 to 3999 µS/cm / 0 to 2000 ppm DiST 8 0.00 to 20.

00 mS/cm / 0.00 to 10.00 ppt Resolution 0.1°C / 0.1°F DiST 7 1 µS/cm / 1 ppm DiST 8 0.

01 mS/cm / 0.01 ppt Accuracy (@20°C/68°F) ±0.5°C / ±1°F ±2% f.s. @@@@ Each meter is supplied complete with: · Calibration solution, 20 mL sachet HI 70031 (1413 µS/cm) for DiST® 7 HI 70030 (12.

88 mS/cm) for DiST® 8 · 4 x 1.5V AA batteries · Instruction manual Note: Conserve all packing material until the instrument has been observed to function correctly. Any defective item must be returned in its original packing. [www.hannainst.com](http://www.hannainst.com) WARRANTY DiST® 7 & DiST® 8 are warranted for one year against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. 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. GENERAL DESCRIPTION DiST® 7 and DiST® 8 are portable EC/TDS and temperature meters specially designed for analytical field applications. These meters provide fast, accurate, on-the-spot measurements, with a unique stability indicator right on the LCD. All EC/TDS readings are automatically temperature compensated (ATC), and temperature values can be displayed in °C or °F units. The EC/TDS conversion factor (CONV) is selectable by the user, as well as the temperature compensation coefficient b (BETA). The meters can be easily calibrated at one point. A low battery symbol warns the user when the batteries are to be replaced. @@@@1.

Cell cup 2. SET/HOLD button 3. ON/OFF/MODE button 4. Low battery indicator 5. Stability indicator All rights are reserved.

@@@@% 100 BATT). @@Select either EC or TDS mode with the SET/HOLD button. @@@@TEMP °C). @@@@Press either button to return to normal mode. @@OFF will appear on the lower part of the display.

Release the button. @@@@b) Where high accuracy is required. c) At least once a month. @@TEMP °C). @@0.50 CONV). · Use the SET/HOLD button to change the value. @@2.1 BETA). · Use the SET/HOLD button to change the value.

· Press the MODE button to return to normal mode. @@ · Release the button and fill the cell cup with the proper calibration solution: for example, use HI 7031 (1413 µS) for DiST 7 and HI 7030 (12.88 mS/cm) for DiST 8. · Once the calibration has been automatically performed, the LCD will display "OK" for 1 second, then the meter will return to normal measurement mode. · Since there is a known relationship between EC and TDS readings, it is not necessary to calibrate the meter in TDS. If the TDS factor is either 0.5 or 0.7, the meter will allow a direct calibration in ppm by using the Hanna calibration solutions listed in the specifications table. The CAL tag on the LCD means that the meter is calibrated. To reset to the default calibration To clear a previous calibration, press the MODE button after entering the calibration mode.

The lower LCD will display "ESC" for 1 second, then the meter will return to normal measurement mode. The CAL symbol on the LCD will disappear and the meter will be reset to the default calibration. BATTERY REPLACEMENT The meter displays the remaining battery percentage every time it is switched on.

When the battery level is below 5%, the battery symbol on the bottom left of the LCD lights up to indicate a low battery condition. The batteries must be immediately replaced.

Moreover, if the battery level is too low to ensure reliable reading, the Battery Error Prevention System (BEPS) will automatically turn the meter off. To change the batteries, remove the 4 screws located on the bottom of the meter. @@@@ To avoid electrical shock, do not use this instrument when voltages at the measurement surface exceed 24 Vac or 60 Vdc. To avoid damages or burns, do not perform any measurement in microwave ovens.

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