

DiST

Conductivity/TDS Meters

with
Automatic
Temperature
Compensation

SPECIFICATIONS:

RANGE / RESOLUTION

DiST 1	1990 ppm /10 ppm
DiST 2	10000 ppm /100 ppm
DiST 3	1990 μ S/cm /10 μ S/cm
DiST 4	19900 μ S/cm /100 μ S/cm

ACCURACY $\pm 2\%$ Full Scale
(@20°C/68°F)

TYPICAL EMC DEVIATION

DiST 1	$\pm 2\%$ Full Scale
DiST 2	$\pm 2\%$ Full Scale
DiST 3	$\pm 1\%$ Full Scale
DiST 4	$\pm 4\%$ Full Scale

CALIBRATION SOLUTIONS

DiST 1	HI 70032P (optional)
DiST 2	HI 70038P (optional)
DiST 3	HI 70031P (optional)
DiST 4	HI 70039P (optional)

TEMPERATURE Automatic from
COMPENSATION 5 to 50°C (41 to 122°F)

ENVIRONMENT 0 to 50°C (32 to 122°F)
95% RH

BATTERIES TYPE 4 x 1.4V alkaline
LIFE approx. 350 hours

DIMENSIONS 150x30x24 mm
(5.9x1.2x0.9")

WEIGHT 85 g (3 oz.)

ACCESSORIES:

- HI 70031P Calibration kit 1413 μ S/cm
(25x20 mL sachets)
- HI 70032P Calibration kit 1382 ppm
(mg/L) (25x20mL sachets)
- HI 70038P Calibration kit 6.44 ppt
(g/L) (25x20 mL sachets)
- HI 70039P Calibration kit 5000 μ S/cm
(25x20 mL sachets)

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<http://www.hannainst.com>

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ISO 9001
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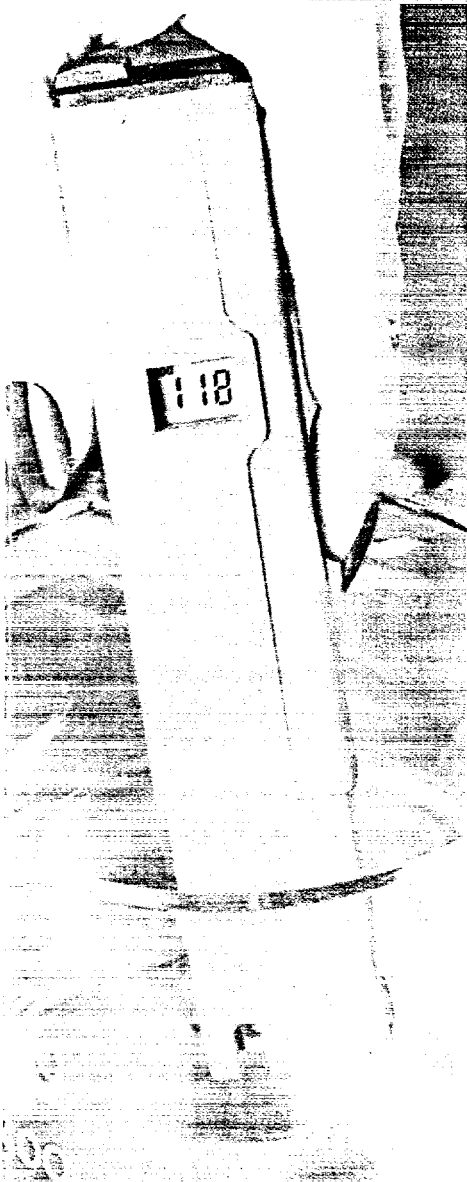
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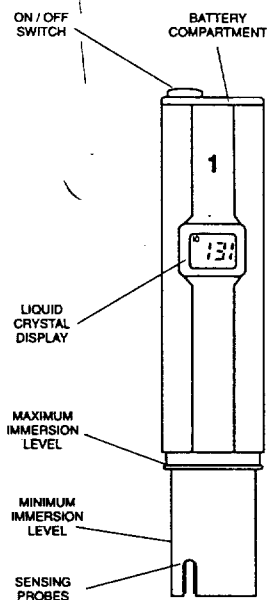
DiST

Conductivity/TDS Meters

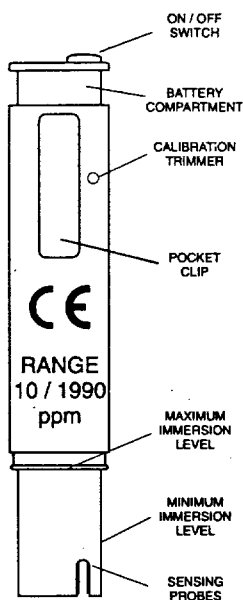
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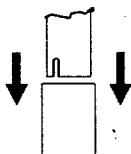
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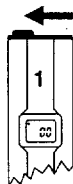
BACK

OPERATION:

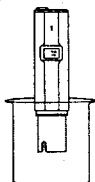
- Remove the protective cap.



- Turn the DiST on.



- Immerse it in the sample up to the maximum immersion level without touching the bottom of the beaker.
- Stir gently and wait until the display stabilizes. DiST compensates for the temperature variance automatically.



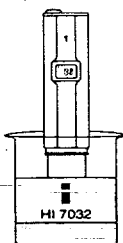
- Read the value on the display. This value has to be multiplied by a factor of 10 for DiST 1 & 3, and by a factor of 100 for DiST 2 & 4 as shown on the upper left hand corner of the LCD to give direct readings in ppm (mg/L) or $\mu\text{S/cm}$ ($\mu\text{mho/cm}$).



CALIBRATION:

The calibration procedure is simple and fast.

- Immerse the tester up to the maximum level in the appropriate optional Calibration Solution (see Specifications).



- Allow the reading to stabilize and using a small screwdriver turn the Calibration Trimmer to match the solution value (normally to the value at 25°C). E.g. calibrating a DiST1 using HI 7032 as calibration solution, turn the trimmer to read "138" (multiplied by 10 = 1380 ppm).

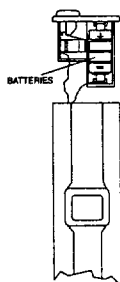


Calibration is now complete.

BATTERY REPLACEMENT:

When the DiST cannot be switched on or the display fades, pull out the battery compartment and replace all four 1.4V batteries, paying attention to their polarity.

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



RECOMMENDATIONS FOR USERS:

Before using these products, make sure that they are entirely suitable for the environment in which they are used. Operation of these instruments in residential areas could cause interferences to radio and TV equipment. The pins at the end of the sensor are sensitive to electrostatic discharges. Avoid touching this metal band at all times. During operation of instruments, ESD wrist straps should be worn to avoid possible damage to the sensor by electrostatic discharge. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid electrical shock, do not use this instrument when voltages at the measurement surface exceed 24 VAC or 60VDC. To avoid damages or burns, do not perform any measurement in microwave ovens.