DiST

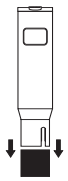
HI98300/1/2/3/4
Conductivity/TDS Meters
with Automatic Temperature Compensation



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Manufacturers since 1978

OPERATION:



- *Remove the protective cap.*
- *Turn the **DiST** on.*
- *Immerse it in the solution to be tested without exceeding the maximum immersion level.*

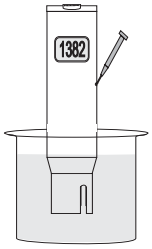


- *Stir gently and wait for the reading to stabilize.*
  __DiST__ automatically compensates for temperature variations.
- *The reading on display is directly expressed in: ppm (mg/L) unit for __DiST1__ (__HI98300__ & __HI98301__), ppt (g/L) unit for __DiST2__ (__HI98302__), µS/cm for __DiST3__ (__HI98303__) and mS/cm for __DiST4__ (__HI98304__).*

CALIBRATION:

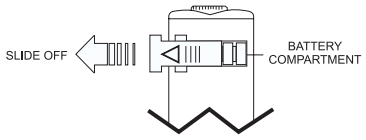
- *Immerse the __DiST__ in the indicated calibration solution (see Specifications), without exceeding the maximum immersion level.*
- *Allow the reading to stabilize and with a small screwdriver turn the calibration trimmer until the display shows the required solution value.*

  E.g. for calibrating __HI98301__ the correct calibration solution is __HI70032__, and the trimmer should be turned until the display shows "1382".



BEPS AND BATTERY REPLACEMENT:

__DiST__ is supplied with BEPS (Battery Error Preventing System) which avoids any erroneous reading due to low batteries 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 nonhazardous area using the battery type specified in this instruction sheet.

ACCESSORIES:

HI 70030P	*12880 µS/cm calibration kit (25 x 20 mL sachets)*
HI 70031P	*1413 µS/cm calibration kit (25 x 20 mL sachets)*
HI 70032P	*1382 ppm (mg/L) calibration kit (25 x 20 mL sachets)*
HI 70038P	*6.44 ppt (g/L) calibration kit (25 x 20 mL sachets)*
HI 70039P	*5000 µS/cm calibration kit (25 x 20 mL sachets)*
HI 70442P	*1500 ppm calibration kit (25 x 20 mL sachets)*
HI 73301	*Spare electrode for DiST1*
HI 73302	*Spare electrode for DiST2*
HI 73303	*Spare electrode for DiST3*
HI 73304	*Spare electrode for DiST4*
HI 731326	*Calibration screwdriver (20 pcs)*

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SPECIFICATIONS:

RANGE / RESOLUTION

DiST1 (HI98300 & HI98301) *0 to 1999 ppm/1ppm*
DiST2 (HI98302) *0.00 to 10.00 ppt / 0.01ppt*
DiST3 (HI98303) *0 to 1999 µS/cm / 1µS/cm*
DiST4 (HI98304) *0.00 to 19.99 mS/cm / 0.01mS/cm*
ACCURACY (@20°C/68°F) *±2% f.s.*
TYPICAL EMC DEVIATION *± 1% f.s.*
TDS FACTOR
HI98300 *0.65*
HI98301 & HI98302 *0.5*
CALIBRATION SOLUTIONS
HI98300 *HI70442 (1500 ppm)*
HI98301 *HI70032 (1382 ppm)*
HI98302 *HI70038 (6.44 ppt)*
HI98303 *HI70031 (1413 µS/cm)*
HI98304 *HI70039 (5.00 mS/cm)-HI70030 (12.88 mS/cm)*
TEMP.COMPENSATION *0 to 50□C (32 to 122ºF)*
ENVIRONMENT *0 to 50□C (32 to 122□F); 95% RH not condensing*
BATTERY TYPE *4 x 1.5V alkaline (included)*
BATTERY LIFE *approx. 200 hours of continuous use*
DIMENSIONS *175 x 41 x 23 mm (7.9 x 1.8 x 1")*
WEIGHT *78 g (2.7 oz.)*

ONE YEAR WARRANTY AND SERVICEABLE:

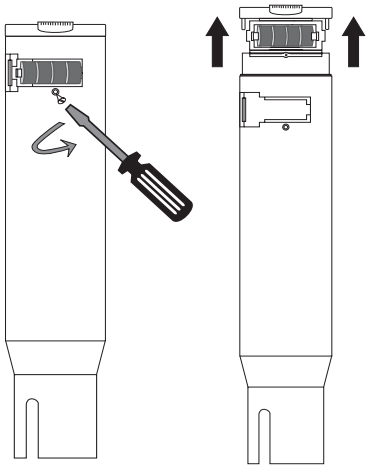
*Covered by **one year** warranty against defects in workmanship and materials, these testers are now completely serviceable. Contact your dealer for further information.*

*The **DiST** is in compliance with the CE directives.*

ELECTRODE REPLACEMENT:

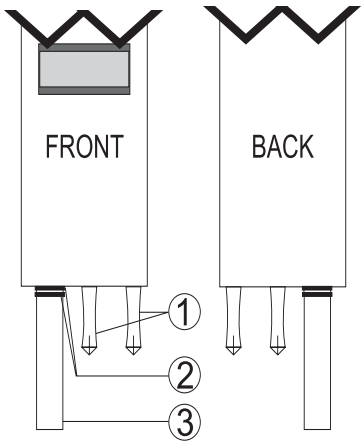
The electrode is built-in inside the plastic casing and can be easily replaced in the following way:

- *Slide off the battery cover.*
- *Remove the screw on the back of the **DiST** located below the battery compartment and slide off the whole internal part of the tester.*

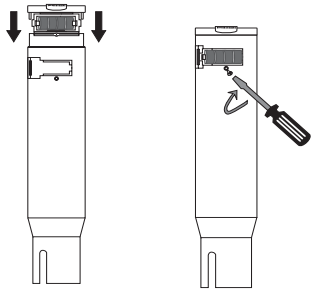


- *Replace the built-in electrode with a new:*
  HI73301** for **DiST1
  HI73302** for **DiST2
  HI73303** for **DiST3
  HI73304** for **DiST4
- *Before reinserting the internal circuit into the new plastic casing, make sure the O-rings (2) of the temperature sensor (3) are properly seated (see drawing).*
  To avoid bending the connections to the conductivity sensors (1), do not apply excessive force while inserting the circuit. In case of any problem, reslide and reinsert it.

Internal circuit:



- *Fasten the screw on the back, below the battery compartment.*



- *Reinsert the battery compartment cover.*
- *Recalibrate the **DiST** before performing new measurements.*

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