

# TDS1

## TDS Meter with Automatic Temperature Compensation

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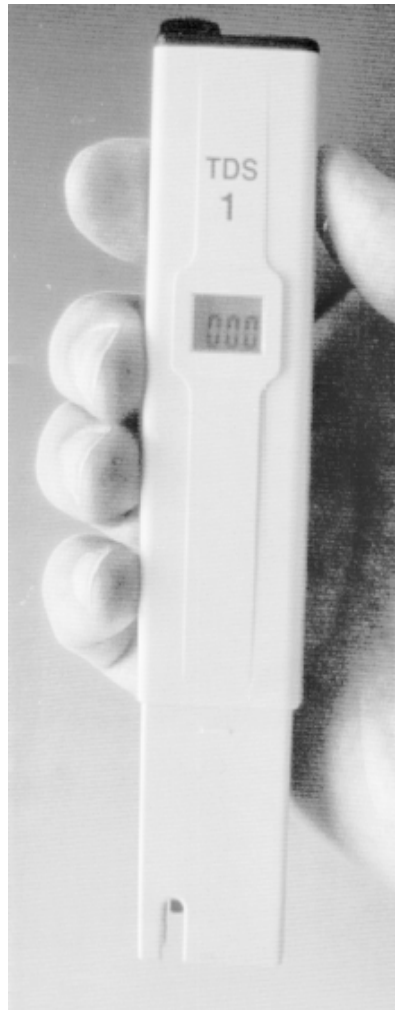
### SPECIFICATIONS

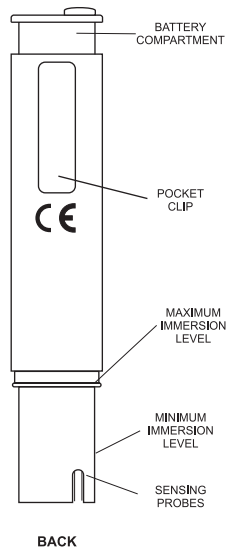
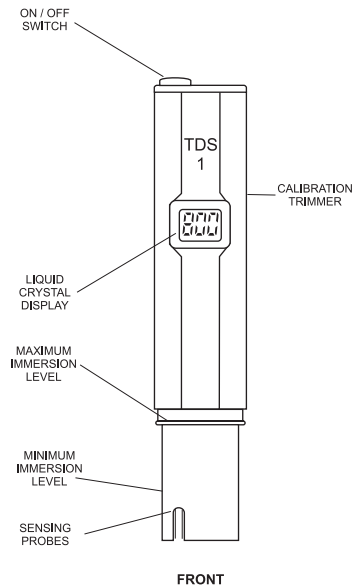
Range	0 to 999 ppm (mg/L)
Resolution	1 ppm
Accuracy (@20°C/68°F)	±2% f.s.
Typical EMC Deviation	±1% f.s.
Calibration	Manual, 1 point, through trimmer
Calibration Solution	HI 70080 (800 ppm @25°C)
Temperature Compensation	Automatic, 5 to 50°C (41 to 122°F)
Environment	0 to 50°C (32 to 122°F); 95% RH
Battery Type	4 x 1.5V alkaline
Battery Life	approx. 150 hours
Dimensions	150 x 30 x 21 mm (5.9 x 1.2 x 0.8")
Weight	70 g (2.5 oz.)

### ACCESSORIES

HI 70080P	800 ppm calibration solution, 20 mL sachet, 25 pcs
HI 731326	Calibration screwdriver (20 pcs)

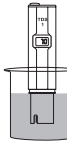
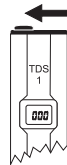
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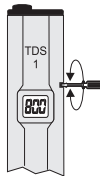
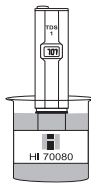
### OPERATIONAL GUIDE

- Remove the protective cap and turn the tester on by sliding the top switch.
- Immerse the tester into the solution up to the maximum immersion level, without touching the bottom of the beaker.
- Stir gently and wait for the reading to stabilize. TDS1 automatically compensates for temperature variations.



### CALIBRATION

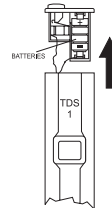
- Immerse the tester into the HI 70080 (800 ppm) calibration solution, without exceeding the maximum immersion level.
- Allow the reading to stabilize and using the supplied screwdriver adjust the calibration trimmer until the nominal value of the solution is displayed.
- Calibration is now complete.



### BATTERY REPLACEMENT

When the TDS1 can not be switched on or the display fades, batteries have to be replaced.

Pull out the batteries compartment as shown in the drawing, and replace all four 1.5V batteries, while paying attention to the correct polarity.



Batteries should only be replaced in a non hazardous area and using the battery type 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 interference to radio and TV equipment. 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 60 Vdc. To avoid damage or burns, do not perform any measurement in microwave ovens.

### WARRANTY

This meter is guaranteed for six months against defects in workmanship and materials when used for its 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.