

EC and TDS Testers



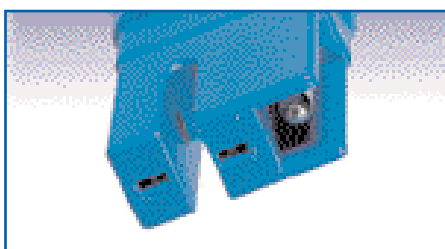
The DiST® testers are reliable, pocket-sized instruments that will give you quick and accurate readings of conductivity and TDS.

This popular line of Dissolved Solids Testers has been redesigned to offer a host of improvements.

The casing has been designed for increased strength, a better fit for holding and a large LCD for easy viewing. The graphite sensors provide better repeatability since they do not oxidize. The casing has been engineered to allow air bubbles to escape. The temperature sensor is exposed to provide faster response time.

HI 98300, HI 98301 (DiST®1) and HI 98302 (DiST®2) perform TDS measurements, while HI 98303 (DiST®3) and HI 98304 (DiST®4) provide conductivity readings.

If calibration is necessary, simply submerge the electrode tip into calibration solution and adjust the easily accessible trimmer on the side of the tester.



Specifications

| | HI 98300 / HI 98301 (DiST® 1) | HI 98302 (DiST® 2) | HI 98303 (DiST® 3) | HI 98304 (DiST® 4) |
|--------------------------|--|-----------------------|-----------------------|------------------------|
| Range | 1999 ppm (mg/L) | 10.00 ppt (g/L) | 1999 μ S/cm | 19.99 mS/cm |
| Resolution | 1 ppm (mg/L) | 0.01 ppt (g/L) | 1 μ S/cm | 0.01 mS/cm |
| Accuracy (@20°C/68°F) | ±2% F.S. | ±2% F.S. | ±2% F.S. | ±2% F.S. |
| TDS Factor | 0.65 / 0.5 | 0.5 | - | - |
| Calibration Solution | HI 70442P / HI 70032P | HI 70038P | HI 70031P | HI 70039P or HI 70030P |
| Calibration | manual, 1 point | manual, 1 point | manual, 1 point | manual, 1 point |
| Probe | HI 73301 | HI 73302 | HI 73303 | HI 73304 |
| Temperature Compensation | automatic, 0 to 50°C (32 to 122°F) | | | |
| Battery Type / Life | 4 x 1.5V / approx. 200 hours of continuous use | | | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% | | | |
| Dimensions | 175 x 41 x 23 mm (6.9 x 1.6 x 0.9") | | | |
| Weight | 95 g (3.4 oz.) | | | |

Ordering Information

HI 98300 (DiST® 1 with TDS factor = 0.65) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98301 (DiST® 1 with TDS factor = 0.5) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98302 (DiST® 2 with TDS factor = 0.5) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98303 (DiST® 3) is supplied complete with protective cap, screwdriver, batteries and instructions.

HI 98304 (DiST® 4) is supplied complete with protective cap, screwdriver, batteries and instructions.

Accessories

| | | | |
|-----------|---|-----------|--|
| HI 73301* | Spare probe for HI 98300 and HI 98301 | HI 70032P | 1382 ppm calibration solution, 20 mL sachet, 25 pcs. |
| HI 73302* | Spare probe for HI 98302 | HI 7032M | 1382 ppm calibration solution, 230 mL bottle |
| HI 73303* | Spare probe for HI 98303 | HI 70442P | 1500 ppm calibration solution, 20 mL sachet, 25 pcs. |
| HI 73304* | Spare probe for HI 98304 | HI 70038P | 6.44 ppt calibration solution, 20 mL sachet, 25 pcs. |
| HI 70030P | 12.88 mS/cm calibration solution, 20 mL sachet, 25 pcs. | HI 70039P | 5.00 mS/cm calibration solution, 20 mL sachet, 25 pcs. |
| HI 7030M | 12.88 mS/cm calibration solution, 230 mL bottle | HI 7039M | 5.00 mS/cm calibration solution, 230 mL bottle |
| HI 70031P | 1413 μ S/cm calibration solution, 20 mL sachet, 25 pcs. | | |
| HI 7031M | 1413 μ S/cm calibration solution, 230 mL bottle | | |

* To be replaced by authorized technical personnel only.

For a complete range of calibration, cleaning and maintenance solutions, see section F.



- Sealed battery compartment
- Dual level LCD displays EC/TDS and temperature
- One handed push button operation
- Floating, waterproof casing
- Replaceable EC/TDS graphite electrode
- Exposed temperature sensor



Waterproof EC/TDS/Temperature Testers

The original **DiST®** (Dissolved Solids Tester) was first introduced in 1986 by **HANNA instruments®**. Since then, the measurement of Conductivity and Total Dissolved Solids has never been easier. The **DiST®**'s ease-of-use, in combination with its affordability, made it the standard in EC and TDS measurement. **HANNA instruments®** continues the tradition of innovation with the **DiST®5** and **DiST®6**. We at **HANNA instruments®** have always valued the comments and suggestions coming from our customers. For this series, we have included all the features you have asked for and more! The **DiST®5** and **DiST®6** include features such as a replaceable graphite electrode, adjustable TDS ratio, temperature in °C or °F, automatic temperature compensation with adjustable β , battery level indicator, stability indicator, automatic shut-off and automatic calibration all in a floating, waterproof casing. This 3-in-1 tester is unmatched in EC/TDS/Temperature measurement!

Specifications

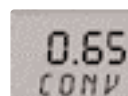
| | | HI 98311 (DiST®5) | HI 98312 (DiST®6) |
|--------------------------|-------------|---|-------------------------------------|
| Range | EC | 0 to 3999 $\mu\text{S}/\text{cm}$ | 0.00 to 20.00 mS/cm |
| | TDS | 0 to 2000 ppm | 0.00 to 10.00 ppt |
| | Temperature | 0.0 to 60.0°C / 32.0 to 140.0°F | |
| Resolution | EC | 1 $\mu\text{S}/\text{cm}$ | 0.01 mS/cm |
| | TDS | 1 ppm | 0.01 ppt |
| | Temperature | 0.1°C / 0.1°F | |
| Accuracy (@20°C) | EC | ±2% F.S. | |
| | TDS | ±2% F.S. | |
| | Temperature | ±0.5°C / ±1°F | |
| Calibration | | automatic, 1 point | |
| TDS Conversion Factor | | adjustable from 0.45 to 1.00 | |
| Temperature Compensation | | automatic, with β adjustable from 0.0 to 2.4% / °C | |
| Environment | | 0 to 50°C (32 to 122°F); RH max 100% | |
| Battery Type / Life | | 4 x 1.5V with BEPS / approx. 100 hours of continuous use, auto-off after 8 minutes of non-use | |
| Dimensions | | 163 x 40 x 26 mm (6.4 x 1.6 x 1.0") | |
| Weight | | 100 g (3.5 oz.) | |

Remaining battery life indication



When turned on, the LCD indicates the percentage of the remaining battery life.

Adjustable TDS ratio



For greater accuracy of measurement, the user can choose between different conductivity to TDS conversion factors.

Instability and ATC indicators



Instability indicator ensures reliable EC and TDS measurements. The ATC symbol is shown when temperature compensation is active.

Adjustable temperature coefficient



For more precise temperature compensated measurements, the user can choose between different BETA factors.

Ordering Information

HI 98311 (DiST®5) is supplied complete with protective cap, batteries, probe removal tool and instructions.

HI 98312 (DiST®6) is supplied complete with protective cap, batteries, probe removal tool and instructions.

Accessories

| | |
|------------------|--|
| HI 73311 | Spare probe for HI 98311 and HI 98312 |
| HI 70030P | 12.88 mS/cm calibration solution, 20 mL sachet, 25 pcs. |
| HI 70031P | 1413 $\mu\text{S}/\text{cm}$ calibration solution, 20 mL sachet, 25 pcs. |
| HI 70032P | 1382 ppm calibration solution, 20 mL sachet, 25 pcs. |
| HI 70038P | 6.44 ppt calibration solution, 20 mL sachet, 25 pcs. |
| HI 70442P | 1500 ppm calibration solution, 20 mL sachet, 25 pcs. |
| HI 73128 | Probe removal tool |

For a complete range of solutions, see section F.