

# Soil Test™ Direct Soil EC Tester

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[www.esaseongear.com](http://www.esaseongear.com)
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- Replaceable 122 mm (4.5") penetration probe
- Automatic Temperature Compensation
- Lightweight and portable

The HI 98331 Soil Test™ is a pocket tester specifically designed to directly measure soil conductivity and temperature. With a temperature sensor in the penetration probe, measurements are automatically temperature compensated.

The conductivity range can be calibrated at one point and is designed to be performed in a standardized solution.



| SPECIFICATIONS             |                                                      | HI 98331 Soil Test™                                                   |
|----------------------------|------------------------------------------------------|-----------------------------------------------------------------------|
| Range                      | EC                                                   | 0.00 to 4.00 mS/cm (dS/m)*                                            |
|                            | Temperature                                          | 0.0 to 50.0°C                                                         |
| Resolution                 | EC                                                   | 0.01 mS/cm                                                            |
|                            | Temperature                                          | 0.1°C                                                                 |
| Accuracy (@20°C)           | EC                                                   | ±0.05 mS/cm (0.00 to 2.00 mS/cm),<br>±0.30 mS/cm (2.00 to 4.00 mS/cm) |
|                            | Temperature                                          | ±1°C                                                                  |
| Calibration                | manual, one point                                    |                                                                       |
| Probe                      | HI 73331 122 mm (4.5") penetration (included)        |                                                                       |
| Temperature Compensation   | automatic, temperature coefficient (β) fixed 2% / °C |                                                                       |
| Environment                | 0 to 50°C (32 to 122°F); RH max 100%                 |                                                                       |
| Battery Type               | 1.5V (4)                                             |                                                                       |
| Dimensions (without probe) | 163 x 40 x 26 mm (6.4 x 1.6 x 1.0")                  |                                                                       |
| Weight                     | 100 g (3.5 oz.)                                      |                                                                       |

\* The meter gives indicative readings with lower accuracy between 4 mS/cm and 10 mS/cm.

For a complete list of Solutions, see the end of Conductivity Section 6.

## ORDERING INFORMATION

HI 98331 (Soil Test™) is supplied with HI 73331 penetration conductivity probe, calibration screwdriver, batteries and instructions.

## PROBES

HI 73331 Direct soil conductivity probe

## SOLUTIONS

HI 7031L 1413 µS/cm (1.4 mS/cm) calibration solution, 500 mL  
 HI 7031M 1413 µS/cm (1.4 mS/cm) calibration solution, 250 mL  
 HI 70031P 1413 µS/cm (1.4 mS/cm) calibration solution, 20 mL sachets (25)

## ACCESSORIES

HI 731326 Calibration screwdrivers (20)