

## EC/TDS Tester for Fertigation Solutions



HI 981409 and HI 981410 TDS and EC meters have been specifically designed to address the needs of operators in hydroponics, greenhouses and nurseries. The meters employ the latest in custom-built application specific microchips together with a purpose-built rugged housing to measure the TDS and EC of the fertilizer mix. Calibration is easy and completely automatic. Simply press and hold the on/off button for a few seconds and the microchip inside the meter requests the appropriate calibration solution. Place the probe in the solution and wait until it is calibrated. No extra buttons to press or dials to turn!

The HI 1220 probe measures 25 cm (10") and can even be used to mix the fertilizer solution! The custom-built microprocessor switches the meter off after five minutes of inactivity to save the batteries. The outer casing also incorporates a molded eye so that the meter can be hung right where it is needed.



### Specifications

|                          | HI 981409   | HI 981410                |
|--------------------------|---|--------------------------|
| Range                    | 0 to 1999 mg/L (ppm)  | 0.00 to 10.00 mS/cm      |
| Resolution               | 1 mg/L (ppm)  | 0.01 mS/cm               |
| Accuracy (@20°C/68°F)    | ±2% F.S.  |                          |
| Calibration              | automatic, at 1500 ppm  | automatic, at 5.00 mS/cm |
| Temperature Compensation | automatic, 5 to 50°C (41 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$                  |                          |
| Probe                    | HI 1220, replaceable EC/TDS probe, 240 mm (9.4") long, with DIN connector (included)    |                          |
| Battery Type / Life      | 2 x 1.5V AA / approx. 3000 hours of continuous use; auto-off after 5 minutes of non-use |                          |
| Environment              | 0 to 50°C (32 to 122°F); RH max 95%   |                          |
| Dimensions (meter only)  | 86 x 94 x 33 mm (3.4 x 3.7 x 1.3")  |                          |
| Weight (meter only)      | 150 g (5.3 oz.)   |                          |

### Accessories

|           |  |           |  |
|-----------|--|-----------|--|
| HI 1220   | Spare probe for HI 981409 and HI 981410              | HI 70039P | 5.00 mS/cm calibration solution, 20 mL sachet, 25 pcs. |
| HI 70442P | 1500 ppm calibration solution, 20 mL sachet, 25 pcs. |           |  |

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

### Ordering Information

HI 981409 is supplied complete with HI 1220 probe, 1500 ppm calibration solution (20 mL) batteries and instructions.

HI 981410 is supplied complete with HI 1220 probe, 5.00 mS/cm calibration solution (20 mL) batteries and instructions.