

# TDS Meter

- One-point calibration
- Waterproof

The HI8734 has not only been specifically designed for the water conditioning industry, but particularly in the softening, demineralization, reverse osmosis and drinking water applications.

Three ranges of measurement ensure the highest accuracy possible. All three ranges can be executed at the touch of a button, without having to change the conductivity probe. This makes it very easy to switch applications without having to worry about recalibration.

To enhance accuracy and efficiency, MTC (Manual Temperature Compensation) is available using a knob on the front panel.

For the best protection in the field, the four-ring potentiometric probe is made of rugged PVC. To access difficult areas, the probe is supplied with a 1 m (3.3') cable.

The ratio between conductivity and TDS is factory set at 0.5.



| Specifications           | HI8734   |
|--------------------------|--|
| Range                    | 0.0 to 199.9 mg/L (ppm); 0 to 1999 mg/L (ppm); 0.00 to 19.99 g/L (ppt)   |
| Resolution               | 0.1 mg/L (ppm); 1 mg/L (ppm); 0.01 g/L (ppt)   |
| Accuracy (@25°C/77°F)    | ±1% F.S. (excluding probe error)   |
| Calibration              | manual, one-point through TDS knob   |
| Temperature Compensation | manual from 0 to 50°C (32 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$  |
| TDS Factor               | 0.5  |
| Probe                    | HI76301D four ring conductivity probe with DIN connector and 1 m (3.3') cable (included)   |
| Battery Type / Life      | 9V / approximately 100 hours of continuous use   |
| Environment              | 0 to 50°C (32 to 122°F); RH max 100%   |
| Dimensions               | 145 x 80 x 36 mm (5.7 x 3.1 x 1.4")  |
| Weight                   | 230 g (8.1 oz.)  |
| Ordering Information     | <b>HI8734</b> is supplied with HI76301D conductivity probe, HI70032 1382 mg/L (ppm) calibration solution sachet, battery, instructions and rugged carrying case. |
| Accessories              | <b>HI710007</b> blue shockproof rubber boot<br><b>HI710008</b> orange shockproof rubber boot   |