

TDS and EC Meters



- On-screen tutorial messages for EC/TDS calibration
- Automatic Temperature Compensation
- BEPS
Battery Error Prevention System turns the meter off in the event that low battery power could adversely affect readings

These meters have been designed for simplicity of use while still retaining measurement accuracy. Readings are automatically compensated for temperature variations and calibration is manually performed at one point through a knob.

The housings of these instruments have been completely sealed against humidity for use in harsh environments. The probe is easy to clean and requires little maintenance.

ORDERING INFORMATION

HI 86301 is supplied with HI 7634D/1 conductivity probe, HI 70032 1382 mg/L (ppm) calibration solution sachet, battery, instructions and rugged carrying case.

HI 86302 is supplied with HI 7632D/1 conductivity probe, HI 70032 1382 mg/L (ppm) calibration solution sachet, battery, instructions and rugged carrying case.

HI 86303 is supplied with HI 7634D/1 conductivity probe, HI 70031 1413 µS/cm calibration solution sachet, battery, instructions and hard carrying case.

HI 86304 is supplied with HI 7632D/1 conductivity probe, HI 70039 5000 µS/cm calibration solution sachet, battery, instructions and rugged carrying case.

PROBES

HI 7632D/1 Conductivity probe, HR, with internal temperature sensor, DIN connector and 1 m (3.3') cable

HI 7634D/1 Conductivity probe, LR, with internal temperature sensor, DIN connector and 1 m (3.3') cable

SOLUTIONS

HI 70031P 1413 µS/cm calibration solution, 20 mL sachet (25)

HI 7031M 1413 µS/cm calibration solution, 230 mL

HI 70032P 1382 mg/L (ppm) calibration solution, 20 mL sachet (25)

HI 7032M 1382 mg/L (ppm) calibration solution, 230 mL

HI 7032L 1382 mg/L (ppm) calibration solution, 500 mL

HI 70039P 5000 µS/cm calibration solution, 20 mL sachet (25)

HI 7039M 5000 µS/cm calibration solution, 230 mL

HI 7039L 5000 µS/cm calibration solution, 500 mL

SPECIFICATIONS	HI 86301	HI 86302	HI 86303	HI 86304
Range	0 to 1999 mg/L (ppm)	0.00 to 10.00 g/L (ppt)	0 to 1999 µS/cm	0.00 to 19.99 mS/cm
Resolution	1 mg/L (ppm)	0.01 g/L (ppt)	1 µS/cm	0.01 mS/cm
Accuracy (@20°C/68°F)		±2% f. s.		±2% f. s. (up to 15.00 mS/cm calibrated in 12.88 mS solution), ±6% f. s. over
Calibration		manual, one point, through knob		
Calibration Solution	HI 70032	HI 70032	HI 70031	HI 70039
Temperature Compensation		automatic, 5 to 50°C (41 to 122°F) with β=2%/°C		
Probe	HI 7634D/1	HI 7632D/1	HI 7634D/1	HI 7632D/1
Battery Type / Life	9V alkaline / approx. 200 hours	9V alkaline / approx. 150 hours	9V alkaline / approx. 200 hours	9V alkaline / approx. 150 hours
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.)		

For a complete list of Solutions, see the end of this section.