

TDS and EC Meters

Designed for Measurement Simplicity

Choose from Either TDS or EC Specific Instruments

These EC and TDS portable meters have been designed for simplicity of use and provide accurate measurements.

Readings are automatically temperature compensated for and the calibration is manually performed at one point.

The BEPS (Battery Error Prevention System) automatically switches the meter off when the battery level is too low to ensure reliable readings.

The housing has been completely sealed against humidity, for use in any type of environment.

The probe is easy to clean and requires little maintenance.

Choose the model with the measurement range that best fits your application:

HI 86301: TDS from 0 to 1999 ppm (mg/L)

HI 86302: TDS from 0.00 to 10.00 ppt (g/L)

HI 86303: EC from 0 to 1999 $\mu\text{S}/\text{cm}$

HI 86304: EC from 0.00 to 19.99 mS/cm

- Automatic Temperature Compensation
- Probe is easy to maintain and features a built-in temperature sensor



SPECIFICATIONS	HI 86301	HI 86302	HI 86303	HI 86304
Range	0 to 1999 ppm	0.00 to 10.00 ppt	0 to 1999 $\mu\text{S}/\text{cm}$	0.00 to 19.99 mS/cm
Resolution	1 ppm	0.01 ppt	1 $\mu\text{S}/\text{cm}$	0.01 mS/cm
Accuracy (@20°C/68°F)	$\pm 2\%$ F. S.			
Calibration	manual, 1 point, through trimmer			
Calibration Solution	HI 70032	HI 70032	HI 70031	HI 70039
Temperature Compensation	automatic, 5 to 50°C (41 to 122°F) with $\beta=2\%/^{\circ}\text{C}$			
Probe	HI 7634D/1	HI 7632D/1	HI 7634D/1	HI 7632D/1
Battery Type / Life	(1) 9V alkaline / Approx 300 hours	(1) 9V alkaline / Approx 150 hours	(1) 9V alkaline / Approx 300 hours	(1) 9V alkaline / Approx 150 hours
Environment	0 to 50°C (32 to 122°F); RH max 100%			
Dimensions	164 x 76 x 45 mm (6.4 x 3.0 x 1.8")			
Weight	250 g (8.8 oz.)			

ORDERING INFORMATION

HI 86301 and **HI 86303** are supplied with HI 7634D/1 conductivity probe with built-in temperature sensor, calibration solution sachets, battery, screwdriver and instructions.

HI 86302 and **HI 86304** are supplied with HI 7632D/1 conductivity probe with built-in temperature sensor, calibration solution sachets, battery, screwdriver and instructions.

PROBES

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

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

SOLUTIONS

HI 70031P 1413 $\mu\text{S}/\text{cm}$ solution, 20 mL sachet (25 pcs)

HI 7031M 1413 $\mu\text{S}/\text{cm}$ solution, 250 mL

HI 7031L 1413 $\mu\text{S}/\text{cm}$ solution, 500 mL

HI 70032P 1382 ppm solution, 20 mL sachet (25 pcs)

HI 7032M 1382 ppm solution, 250 mL

HI 7032L 1382 ppm solution, 500 mL

HI 70039P 5000 $\mu\text{S}/\text{cm}$ solution, 20 mL sachet (25 pcs)

HI 7039M 5000 $\mu\text{S}/\text{cm}$ solution, 250 mL

HI 7039L 5000 $\mu\text{S}/\text{cm}$ solution, 500 mL

ACCESSORIES

HI 731326 Calibration screwdriver