

HI 9033 • HI 9034

Multi-range EC and TDS Meters



- Multiple conductivity ranges
- Automatic Temperature Compensation
- BEPS (Battery Error Prevention System)

The HI 9033 is a rugged meter designed to hold up under extended use in wet, humid, dusty and muddy conditions. This meter has the advantage of measuring samples from deionized water to brine without having to switch or recalibrate the probe.

HI 9034 measures total dissolved solids (TDS) in three ranges and offers the highest accuracy when performing measurements in applications as diverse as HVAC, wastewater treatment and reverse osmosis. All three ranges can be activated at the touch of a button without having to change the conductivity probe.

Both instruments perform measurements with Automatic Temperature Compensation which adjusts for the effects of temperature on the probe. These instruments also feature HANNA's BEPS (Battery Error Prevention System) technology that alerts the user when low batteries could affect the readings.

ORDERING INFORMATION

HI 9033 and HI 9034 is supplied with HI 76302W conductivity probe, battery, instructions and rugged carrying case.

PROBES

HI 76302W Four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable

HI 76302W/5 Four ring conductivity probe with internal temperature sensor, DIN connector and 5 m (16.4') cable

SOLUTIONS

HI 7030L 12880 µS/cm calibration solution, 500 mL

HI 7031L 1413 µS/cm calibration solution, 500 mL

HI 7033L 84 µS/cm calibration solution, 500 mL

HI 7034L 80000 µS/cm calibration solution, 500 mL

HI 7035L 111800 µS/cm calibration solution, 500 mL

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

HI 7036L 12.41 g/L (ppt) calibration solution, 500 mL

HI 7061L Electrode cleaning solution, 500 mL

ACCESSORIES

HI 721317 Rugged carrying case

SPECIFICATIONS	HI 9033	HI 9034
Range	0.0 to 199.9 µS/cm; 0 to 1999 µS/cm; 0.00 to 19.99 mS/cm; 0.0 to 199.9 mS/cm	0.0 to 199.9 mg/L; 0 to 1999 mg/L; 0.00 to 19.99 g/L
Resolution	0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm	0.1 mg/L; 1 mg/L; 0.01 g/L
Accuracy (@20°C/68°F)	±1% F.S. (excluding probe error)	
Calibration	manual, one point	
TDS Factor	0.5	
Temperature Compensation	automatic, 10 to 50°C (50 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$	
Probe	HI 76302W conductivity probe with internal temperature sensor, 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	185 x 72 x 36 mm (7.3 x 2.8 x 1.4")	
Weight	425 g (0.9 lbs.)	

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

