

Waterproof, Multi-range EC and TDS Meters with ATC for Field Applications



HI 9033 and HI 9034 have been proven time and again to hold up under extended use in wet, humid, dusty and muddy conditions.

HI 9033 utilizes a single probe to perform all conductivity readings in four ranges. This allows the user to measure samples from deionized water to brine without having to switch or recalibrate the probe.

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

Both meters perform measurements with ATC (automatic temperature compensation) which adjusts for the effects of temperature. These portable instruments also feature BEPS (Battery Error Prevention System) technology that alerts the user when low batteries could affect the readings.



Specifications

	HI 9033	HI 9034
Range	0.0 to 199.9 μ S/cm; 0 to 1999 μ S/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 μ S/cm; 1 μ S/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)	\pm 1% F.S. (excluding probe error)	
Calibration	manual, 1 point	
Temperature Compensation	automatic, 10 to 50°C (50 to 122°F) with B = 2%/°C	
Probe	HI 76302W with internal temperature sensor and 1 m (3.3') cable (included)	
Battery Type / Life	1 x 9V / approx. 100 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH max 100%	
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4")	
Weight	425 g (0.9 lb.)	

Ordering Information

HI 9033 is supplied complete with HI 76302W probe with internal temperature sensor and 1 m (3.3') cable, calibration screwdriver, battery, rugged carrying case and instructions.

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Accessories

HI 76302W	4-ring conductivity probe	HI 7034L	80000 μ S/cm calibration solution, 500 mL bottle
HI 7030L	12880 μ S/cm calibration solution, 500 mL bottle	HI 7035L	111800 μ S/cm calibration solution, 500 mL bottle
HI 7031L	1413 μ S/cm calibration solution, 500 mL bottle	HI 7036L	12.41 ppt (g/L) calibration solution, 500 mL bottle
HI 7032L	1382 ppm (mg/L) calibration solution, 500 mL bottle	HI 721317	Rugged carrying case
HI 7033L	84 μ S/cm calibration solution, 500 mL bottle		

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