



## HI9033 • HI9034

# Multi-range EC and TDS Meters

- Automatic temperature compensation (ATC)
- Battery Error Prevention System (BEPS)
  - Alerts the user of low battery power that could adversely affect readings
- One-point calibration
- Waterproof

The HI9033 is a rugged conductivity 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.

The HI9034 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.

Specifications	HI9033 (EC)	HI9034 (TDS)
Range	0.0 to 199.9 $\mu\text{S}/\text{cm}$ ; 0 to 1999 $\mu\text{S}/\text{cm}$ ; 0.00 to 19.99 $\text{mS}/\text{cm}$ ; 0.0 to 199.9 $\text{mS}/\text{cm}$	0.0 to 199.9 $\text{mg}/\text{L}$ ; 0 to 1999 $\text{mg}/\text{L}$ ; 0.00 to 19.99 $\text{g}/\text{L}$
Resolution	0.1 $\mu\text{S}/\text{cm}$ ; 1 $\mu\text{S}/\text{cm}$ ; 0.01 $\text{mS}/\text{cm}$ ; 0.1 $\text{mS}/\text{cm}$	0.1 $\text{mg}/\text{L}$ ; 1 $\text{mg}/\text{L}$ ; 0.01 $\text{g}/\text{L}$
Accuracy (@25°C/77°F)	$\pm 1\%$ F.S. (excluding probe error)	$\pm 1\%$ F.S. (excluding probe error)
Calibration	manual, one point	manual, one point
TDS Factor	–	0.5
Temperature Compensation	automatic, 10 to 50°C (50 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$	automatic, 10 to 50°C (50 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$
Probe	HI76302W conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable (included)	HI76302W 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	9V / approximately 100 hours of continuous use
Environment	0 to 50°C (32 to 122°F); RH max 100%	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")	185 x 72 x 36 mm (7.3 x 2.8 x 1.4")
Weight	425 g (0.9 lbs.)	425 g (0.9 lbs.)
<b>Ordering Information</b>	<b>HI9033</b> and <b>HI9034</b> are supplied with HI76302W conductivity probe, battery, instructions and rugged carrying case.	

EC and TDS solutions begin on page 6.42