

HI2314 · HI2315

Conductivity Meter



The HI2314 and HI2315 are durable benchtop meters that measure conductivity in four different ranges. These meters utilize a four-ring potentiometric conductivity probe with platinum sensors to offer versatility over typical amperometric designs. By utilizing the four-ring probe, it is possible to measure very low or very high conductivity levels without having to change probes. EC can be manually calibrated at one point, and a knob on the front panel allows users to adjust the temperature coefficient.

The HI2315 also offers automatic temperature compensation and an adjustable temperature coefficient (β).

Four-ring EC Probe

The HI2315 meter is supplied with the HI76303 platinum, four-ring EC probe with a built-in temperature sensor that operates over a wide range from 0.00 $\mu\text{S}/\text{cm}$ to 199.9 mS/cm.

Temperature Compensation

Temperature is automatically compensated for from 0 to 50°C. The temperature correction coefficient, also referred to as β , is adjustable from 0 to 2.5 %/°C for EC measurements.

Calibration

Users can easily perform a manual, one-point calibration to ensure accurate measurements.

Large LCD

The large LCD display is bright and easy to read.

Built-in Solution Holders

The HI2315 features four built-in solution holders for users to conveniently store their calibration standards when not in use.

Specifications	HI2314	HI2315	
EC	Range	0.0 to 199.9 $\mu\text{S}/\text{cm}$; 0 to 1999 $\mu\text{S}/\text{cm}$; 0.00 to 19.99 mS/cm; 0.0 to 199.9 mS/cm	
	Resolution	0.1 $\mu\text{S}/\text{cm}$; 1 $\mu\text{S}/\text{cm}$; 0.01 mS/cm; 0.1 mS/cm	
	Accuracy (@25°C/77°F)	$\pm 1\%$ F.S. (excluding probe error)	
Additional Specifications	Calibration	manual, one point	
	Temperature Compensation	manual, 0 to 50°C (32 to 122°F) with $\beta = 2\%/^{\circ}\text{C}$	automatic, 0 to 50°C (32 to 122°F) with β adjustable coefficient from 0 to 2.5%/°C
	Probe	HI76300, platinum four ring conductivity probe with DIN connector and 1 m (3.3') cable (included)	HI76303, platinum four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable (included)
	Power Supply	12 VDC adapter (included)	
	Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
	Dimensions	235 x 222 x 109 mm (9.2 x 8.7 x 4.3")	
	Weight	1.3 kg (2.9 lbs)	
Ordering Information	<p>HI2314-01 (115V) and HI2314-02 (230V) are supplied with HI76300 conductivity probe, 12 VDC adapter and instruction manual.</p> <p>HI2315-01 (115V) and HI2315-02 (230V) are supplied with HI76303 conductivity probe, 12 VDC adapter and instruction manual.</p>		