



HI 2314

HI 2315

Conductivity



Features

- Four measurement ranges
- Manual calibration
- Automatic Temperature Compensation



HI 2314 & HI 2315

These instruments utilize a four ring potentiometric probe with platinum sensor that offers greater versatility over typical amperometric designs. A potentiometric probe works on the principal of induction which eliminates the effects of polarization (a common problem of amperometric systems). Two outer rings apply an alternating voltage and induce a current loop in the solution while two inner rings measure the voltage drop induced by the current loop (which is dependent on the conductivity of the solution). By utilizing the 4-ring method, it is possible to measure very low or high conductivity levels (up to 200 mS/cm) without changing probes.

The temperature coefficient correction is settable between 0 and 2.5%/°C for EC 215.

HI 2314 and HI 2315 Specifications

EC

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
Resolution	0.1 μ S/cm; 1 μ S/cm; 0.01 mS/cm; 0.1 mS/cm
Accuracy @ 20°C	\pm 1% F.S. (excluding probe error)
Calibration	manual, one point

Additional Specifications

	HI 2314	HI 2315
Probe	HI 76300, platinum four ring conductivity probe with DIN connector and 1 m (3.3') cable (included)	HI 76303, platinum four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable (included)
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 from 0 to 2.5%/°C
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

HI 2314-01 (115V) and HI 2314-02 (230V) are supplied with HI 76300 conductivity probe, 12 VDC adapter and instruction manual. HI 2315-01 (115V), HI 2315-02 (230V) and HI 2315-03 (AUS plug), are supplied with HI 76303 conductivity probe, 12 VDC adapter and instruction manual.