Features

- **Four measurement ranges**
- **Manual calibration**
- **Automatic Temperature Compensation**

HI 2314
HI 2315

Conductivity Benchtop Meter

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 Parameter Specifications

EC

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
Resolution	0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm
Accuracy @ 20°C	±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 β = 2%/°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.

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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