# HI 2314
# HI 2315

Conductivity

HANNA® instruments

# 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 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.

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