

Multi-range EC Meters

- Automatic temperature compensation (ATC) (HI8733)
- Help feature
 - On-screen user guides
- One-point calibration
 - One-point calibration
- Waterproof

The HI8633 and HI8733 conductivity meters have been designed for use in areas of production and quality control.

These meters utilize four ring potentiometric probes that offer greater versatility over typical amperometric designs. These rugged probes are made of PVC and are ideal for indoor as well as outdoor measurements.

HI8733's conductivity measurements can be automatically temperature compensated by using the HI76302W probe with built-in temperature sensor.

Temperature compensation for HI8633 is performed by manual adjustment.



| Specifications | HI8633 | HI8733 |
|--------------------------|--|--|
| 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 | 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 | 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) | $\pm 1\%$ F.S. (excluding probe error) |
| Calibration | manual, one-point through EC knob | manual, one-point through EC knob |
| 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 |
| Probe | HI76301D four ring conductivity probe with DIN connector and 1 m (3.3') cable (included) | HI76302W four-ring 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 | 145 x 80 x 36 mm (5.7 x 3.1 x 1.4") | 145 x 80 x 36 mm (5.7 x 3.1 x 1.4") |
| Weight | 230 g (8.1 oz.) | 230 g (8.1 oz.) |
| Ordering Information | HI8633 is supplied with HI76301D conductivity probe, 12880 $\mu\text{S}/\text{cm}$ HI70030 calibration solution sachets (5), battery, instructions and rugged carrying case. HI8733 is supplied with HI76302W conductivity probe, 12880 $\mu\text{S}/\text{cm}$ HI70030 calibration solution sachets (5), battery, instructions and rugged carrying case. | |
| Accessories | HI710007 blue shockproof rubber boot HI710008 orange shockproof rubber boot | |