

HI8633 • HI8733

## Multi-range EC Meters

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

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 $\text{mS}/\text{cm}$ ; 0.0 to 199.9 $\text{mS}/\text{cm}$	0.0 to 199.9 $\mu\text{S}/\text{cm}$ ; 0 to 1999 $\mu\text{S}/\text{cm}$ 0.00 to 19.99 $\text{mS}/\text{cm}$ ; 0.0 to 199.9 $\text{mS}/\text{cm}$
Resolution	0.1 $\mu\text{S}/\text{cm}$ ; 1 $\mu\text{S}/\text{cm}$ 0.01 $\text{mS}/\text{cm}$ ; 0.1 $\text{mS}/\text{cm}$	0.1 $\mu\text{S}/\text{cm}$ ; 1 $\mu\text{S}/\text{cm}$ 0.01 $\text{mS}/\text{cm}$ ; 0.1 $\text{mS}/\text{cm}$
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 $\beta$ 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.

EC solutions begin on page 6.42