

HI 8633 • HI 8733

## Multi-range EC Meters

- Four ring potentiometric probe
- On-screen operation guide
- Multiple scales cover a wide range
- Automatic Temperature Compensation (HI 8733)

HI 8633 and HI 8733 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—ideal for indoor, as well as outdoor measurements.

HI 8733's conductivity measurements can be automatically temperature compensated by using the HI 76302W probe with built-in temperature sensor.

Temperature compensation for HI 8633 is performed by manual adjustment.

### ORDERING INFORMATION

**HI 8633** is supplied with HI 76301D conductivity probe, 12880  $\mu\text{S}/\text{cm}$  HI 70030 calibration solution sachets (5), calibration screwdriver, battery, instructions and rugged carrying case.

**HI 8733** is supplied with HI 76302W conductivity probe, 12880  $\mu\text{S}/\text{cm}$  HI 70030 calibration solution sachets (5), battery, instructions and rugged carrying case.

### PROBES

- HI 76301D** Four ring conductivity probe with DIN connector and 1 m (3.3') cable for HI 8633
- HI 76302W** Four ring conductivity probe with internal temperature sensor, DIN connector and 1 m (3.3') cable for HI 8733
- HI 76302W/5** Four ring conductivity probe with internal temperature sensor, DIN connector and 5 m (16.4') cable for HI 8733

### SOLUTIONS

- HI 7030L** 12880  $\mu\text{S}/\text{cm}$  calibration solution, 500 mL
- HI 7031L** 1413  $\mu\text{S}/\text{cm}$  calibration solution, 500 mL
- HI 7033L** 84  $\mu\text{S}/\text{cm}$  calibration solution, 500 mL
- HI 7034L** 80000  $\mu\text{S}/\text{cm}$  calibration solution, 500 mL
- HI 7035L** 111800  $\mu\text{S}/\text{cm}$  calibration solution, 500 mL

### ACCESSORIES

- HI 710007** Shockproof rubber boot, blue
- HI 710008** Shockproof rubber boot, orange
- HI 721313** Rugged carrying case



SPECIFICATIONS	HI 8633	HI 8733
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 $\text{mS}/\text{cm}$	
Resolution	0.1 $\mu\text{S}/\text{cm}$ ; 1 $\mu\text{S}/\text{cm}$ 0.01 $\text{mS}/\text{cm}$ ; 0.1 $\text{mS}/\text{cm}$	
Accuracy (@20°C/68°F)	±1% f.s. (excluding probe error)	
Calibration	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	HI 76301D four ring conductivity probe with DIN connector and 1 m (3.3') cable (included)	HI 76302W 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	
Environment	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")	
Weight	230 g (8.1 oz.)	

For a complete list of Solutions, see the end of this section.