

**Reliable and Waterproof  
Multi-range Conductivity Meters**



HI 8633 and HI 8733 have been designed specifically for use in the areas of production and quality control. It is often necessary to test samples with different concentrations ranging from deionized water to brine.

The amperometric system would require constant recalibration and probe changes, thus making the measurement process very time consuming and unreliable. To solve this problem, HANNA instruments® has developed the HI 8633, which uses a 4-ring potentiometric probe. The rugged probe is made of PVC - ideal for indoor, as well as outdoor measurements.

By using one point calibration, it is now possible to obtain accurate readings across a very wide range, from 0.1 to 199900 µS/cm.

If the temperature of the solution fluctuates, HI 8733, with a built-in temperature sensor and Automatic Temperature Compensation, is the perfect instrument.

As an accessory, the HI 721313 is available. The kit includes a rugged carrying case with a beaker, a calibration screwdriver and standardizing solution at 12880 µS/cm.



**Specifications**

	HI 8633	HI 8733
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/68°F)	± 1% F.S. (excluding probe error)	
Calibration	manual, 1 point	
Temp. 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
Probe	HI 76301D with 1 m (3.3') cable (included)	HI 76302W, ATC, with 1 m (3.3') cable (included)
Battery Type / Life	1 x 9V / approx. 100 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH max 100%	
Dimensions	164 x 76 x 45 mm (6.4 x 3.0 x 1.8")	
Weight	250 g (8.8 oz.)	

**Ordering Information**

HI 8633 is supplied complete with HI 76301D probe with 1 m (3.3') cable, calibration screwdriver, calibration solutions, protective case, battery and instructions.

HI 8733 is supplied complete with HI 76302W probe with internal temperature sensor & 1 m (3.3') cable, calibration screwdriver, calibration solutions, protective case, battery and instructions.

**Accessories**

HI 76301D	4-ring conductivity probe for HI 8633	HI 7034L	80000 µS/cm calibration solution, 500 mL bottle
HI 76302W	4-ring conductivity probe with internal temperature sensor, for HI 8733	HI 7035L	111800 µS/cm calibration solution, 500 mL bottle
HI 7030L	12880 µS/cm calibration solution, 500 mL bottle	HI 710015	Shockproof rubber boot, blue
HI 7031L	1413 µS/cm calibration solution, 500 mL bottle	HI 710016	Shockproof rubber boot, orange
HI 7033L	84 µS/cm calibration solution, 500 mL bottle	HI 710022	Spare protective case

For a complete range of calibration, cleaning and maintenance solutions, see section F. For accessories, see section U.