

**$\mu$ S/mS/TDS Meter  
with Potentiometric Technology**

HI 8033 is a hand-held conductivity meter with the ability to take measurements in 3 different conductivity ranges, 0.0 to 199.9  $\mu$ S/cm, 0 to 1999  $\mu$ S/cm and 0.00 to 19.99 mS/cm and 1 TDS range: 0 to 19990 ppm  $\text{CaCO}_3$ .

The probe uses the 4-ring method which measures conductivity with the utmost accuracy and reliability.

The four stainless steel rings are embedded in the resin shaft of the probe to create a smooth surface for fast and easy cleaning.

To improve accuracy, temperature compensation can be performed with a knob on the front panel of the meter.



**Specifications**

HI 8033		
Range	EC	0.0 to 199.9 $\mu$ S/cm; 0 to 1999 $\mu$ S/cm; 0.00 to 19.99 mS/cm
	TDS	0 to 19990 ppm
Resolution	EC	0.1 $\mu$ S/cm; 1 $\mu$ S/cm; 0.01 mS/cm
	TDS	10 ppm
Accuracy (@20°C/68°F)		$\pm 1\%$ F.S. (excluding probe error)
Calibration		manual, 1 point
Temperature Compensation		manual, 0 to 50°C (32 to 122°F) with $B=2\%/^{\circ}\text{C}$
Probe		HI 76301W EC/TDS probe 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 95%
Dimensions		185 x 82 x 47 mm (7.3 x 3.2 x 1.9")
Weight		270 g (9.5 oz.)

**Ordering Information**

HI 8033 is supplied complete with HI 76301W probe with 1 m (3.3') cable, battery and instructions.

**Accessories**

HI 76301W	4-ring conductivity probe with 1 m (3.3') cable	HI 7039L	5000 $\mu$ S/cm calibration solution, 500 mL bottle
HI 7030L	12880 $\mu$ S/cm calibration solution, 500 mL bottle	HI 710009	Shockproof rubber boot, blue
HI 7031L	1413 $\mu$ S/cm calibration solution, 500 mL bottle	HI 710010	Shockproof rubber boot, orange
HI 7032L	1382 ppm calibration solution, 500 mL bottle	HI 710001	Soft carrying case
HI 7033L	84 $\mu$ S/cm calibration solution, 500 mL bottle	HI 721313	Rugged carrying case

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