

# HI 8819N

## Bench-Top Conductivity Meter for the Education Field

The compact size and comprehensive functionality of **HI 8819N** make it an extremely cost-effective bench-top, digital, conductivity meter ideally suited for everyday use in the school laboratory. **HI 8819N** has been designed to ensure ease of use without compromising accuracy and reliability. It uses an innovative miniature conductivity probe suitable for measuring the conductivity of liquids in small sample sizes. The probe is constructed of PVC with 4 stainless steel rings that are corrosion resistant. The 4-Ring measurement system is the most accurate method measuring conductivity available today.

**HI 8819N** is supplied complete with **HI 7683** 4-Ring probe with 1m (3.3') cable and a dust cover. Upon request it is also available version **HI 8819NLP** with power socket for 12 VDC supply. (**CSA & UL approved**).

For calibration solutions see pages **F31, F32**.

- **4 Different Calibration Solutions** are available to optimize the reading accuracy. HI 7033 (84 $\mu$ S), HI 7031 (1,413  $\mu$ S), HI 7030 (12,880  $\mu$ S), HI 7034 (80,000  $\mu$ S).
- **Manual Temperature Compensation.** To increase accuracy, the temperature effect can be adjusted for by a knob on the front panel.
- **4 Ranges to Choose from.** The 4 complete ranges (from 0.1 $\mu$ S to 199,900 $\mu$ S) can be used intermittently without having to re-calibrate the probe.

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**Membrane Keypad.** The smooth membrane keypad will wipe clean with a dry cloth when it is time to clean-up.

SPECIFICATIONS	HI 8819N	HI8819NLP
RANGE	0.0 to 199.9 $\mu$ S/cm 0 to 1999 $\mu$ S/cm 0.00 to 19.99 mS/cm 0.0 to 99.9 mS/cm	
RESOLUTION	0.1 $\mu$ S/cm; 1 $\mu$ S/cm; 0.01 mS/cm; 0.1 mS/cm	
ACCURACY	1% Full Scale	
CALIBRATION	Manual single point through trimmer	
TEMPERATURE COMPENSATION	Manual from 0 to +50°C (32 to 122°F) with a $\beta$ of 0 to 2% per degree °C	
4-RING PROBE	<b>HI 7683</b> detachable probe with 1 meter cable ( <b>included</b> )	
POWER SUPPLY	110/220/240 Volts; 50/60 Hz	power socket for 12 VDC supply ( <b>CSA &amp; UL approved</b> )
ENVIRONMENT	0 to 50°C (32 to 122°F); RH 95%	
DIMENSIONS/WEIGHT	230 x 170 x 70mm (9.1 x 6.7 x 2.7") / 1 kg (2.2 lbs)	

