HI 8820N

Professional ATC Conductivity Bench-Meter

HI 8820N is a professional instrument designed to satisfy the needs of the sophisticated user, while maintaining Hanna's user-friendliness. In addition to the multi-range capability and the 4-Ring potentiometric probe, this meter adds Automatic Temperature Compensation to its list of features. The temperature coefficient can be adjusted by turning a knob on the front panel from 0 to 2.5% per °C. The advanced conductivity probe does not require changing or re-calibration when switching from one range to another. **HI 8820N** is ideally suited for use in the areas of quality control and general laboratory use. Operation is simple, and can even be performed by non-technical personnel.

HI 8820N comes complete with a **HI 7684** ATC, 4-Ring conductivity probe with a 1m (3.3') cable and a dust cover. Upon request it is also available version **HI 8820NLP** with power socket for 12 VDC supply. **(CSA & UL approved). For calibration solutions see pages F31-F32.**

- **Automatic Temperature Compensation.** The 4-Ring probe has a built in temperature sensor that will automatically adjust all readings to the standard 25°C.

- **4-Ring potentiometric method of measuring.** These meters use the proven 4-Ring method of measuring conductivity. This method is far more accurate and reliable than the common 2-ring amperometric method.

- **4 Conductivity Ranges.** The 4 ranges available will cover every application from deionized water to brine.

- **4 Different Calibration Solutions** are available to optimize the reading accuracy. HI 7033 (84µS), HI 7031 (1,413 µS), HI 7030 (12,880 µS), HI 7034 (80,000 µS).

SPECIFICATIONS	HI 8820N	HI 8820NPL
RANGE	0.0 to 199.9 µS/cm 0 to 1999 µS/cm 0.00 to 19.99 mS/cm 0.0 to 99.9 mS/cm	
RESOLUTION	0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm	
ACCURACY	1% Full Scale	
CALIBRATION	Manual single point	
TEMPERATURE COMPENSATION	**Automatic** from +10 to +50°C (50 to 122°F) with a variable ß from 0 to 2.5% per degree °C	
4-RING PROBE	**HI 7684** detachable probe with ATC and 1 m cable **(included)**	
POWER SUPPLY	110/220/240 Volts; 50/60 Hz	power socket for 12 VDC supply **(CSA & UL approved)**
ENVIRONMENT	0 to 50°C (32 to 122°F); 95% RH	
DIMENSIONS/WEIGHT	230 x 170 x 70mm (9.1 x 6.7 x 2.7")/1 kg (2.2 lbs)	