

# HI 8424

710-8102

## Microprocessor, ATC, pH/mV/°C Meter

The same performance of a top-of-the-line microprocessor bench meter, can also be obtained with the HI 8424 portable pH meter, one of the most popular pH meters produced by Hanna. By utilizing an advanced microprocessor, HI 8424 is able to perform pH, ORP, ISE and temperature measurements with high accuracy and fast response. The mV measurements automatically switch from 0.1 to 1mV resolution when the reading reaches 400mV. Temperature effects are automatically compensated for, from 0 to 100°C (32 to 212°F) or can be manually compensated for on the control panel in the same range. The meter has **three memorized buffer values, (4.01, 7.01, 10.01)** and automatic buffer recognition to avoid errors during calibration. To make calibration even easier, the calibration trimmers have been removed and calibration is now performed at the push of a button.

HI 8424 is supplied complete with an HI 1230B plastic body, double junction, gel, pH electrode, HI 7667 temperature probe.

HI 8424 KIT is also available containing pH 4 and 7 buffers and a rugged carrying case.

For calibration and maintenance solutions see page E3, E5, E7, E10.

A wide variety of interchangeable pH and ORP electrodes is also available at page D1-D26.

- **0.1 mV Resolution.** Necessary for ion selective electrodes. The first portable pH meter on the market with this resolution.
- **Automatic Buffer Recognition.** The meter will automatically recognize pH 4.01, 7.01 and 10.01 buffers.
- **Simple 2 Point Automatic Calibration.** Calibration is performed simply through the membrane keypad. The calibration data is then stored in the microprocessor's memory and will remain, even when the meter is off.
- **3 Meters in 1.** pH, mV and temperature are all measured accurately by the HI 8424.

SPECIFICATIONS		HI 8424
RANGE	pH mV TEMP	0.00 to 14.00 pH 0.0 to ±399.9 mV (ISE) / 0.0 to ±1999 mV (ORP) 0.0 to 100.0°C
RESOLUTION	pH mV TEMP	0.01 pH 0.1 mV 0.1°C
ACCURACY	pH mV TEMP	±0.01 pH ±0.2 mV, ±0.4°C
CALIBRATION		Automatic 2 point with 3 memorized standard buffers
TEMPERATURE COMPENSATION		Automatic or Manual from 0 to 100°C (32 to 212°F)
ELECTRODE/ INTERCHANGEABLE PROBE		HI 1230B pH electrode L: 120mm x 12mm dia. (included) HI 7667 temperature probe L: 140mm (included)
INPUT IMPEDANCE		10 <sup>12</sup> ohms
BATTERY TYPE / LIFE		1x 9 volt (alkaline battery) / 100 hours of continuous use
ENVIRONMENT		0 to 50°C (32 to 122°F); 95% RH
DIMENSIONS		185 x 82 x 45 mm (7.3 x 3.2 x 1.8")
WEIGHT		280 g (10 oz.) instrument alone. 520 g (1.2 lbs) complete with pH electrode and temperature probe