

HI 9024

HI 9025 710-8114

Waterproof, ATC pH/mV/°C Meters with 5 Memorized Buffers

HI 9024 & HI 9025 are microprocessor-based pH meters in waterproof casings. **HI 9024** measures pH and °C, and **HI 9025** can also measure ion concentration and ORP in the mV range. Both meters are housed in rugged, waterproof, ABS casings that are built to last. The **Auto-Instruction** feature guides the user step-by-step through the calibration process with graphic symbols and 5 memorized, standard buffer values (**pH 4.01, 6.86, 7.01, 9.18 and 10.01**). Because the electrode requires a certain amount of time to stabilize between buffers, the meter will display the **READY** symbol only when the electrode has stabilized. Unlike conventional meters that only allow the calibration at 7.01pH, the powerful software of the **HI 9024/9025** will allow the user to start the calibration using **any of the 5 memorized buffers**. It is also possible to calibrate the slope (second point of calibration) using any of the remaining buffers (example: **1st point of calibration= pH 4.01; 2nd point = pH 9.18**). Both meters will also calibrate with one buffer if 1 point calibration is desired.

HI 9024/9025 are supplied complete in a rugged carrying case containing an **HI 1230B** plastic, double junction, combination, gel, pH electrode, an **HI 7669/2** temperature probe, and pH 4 & 7 buffers.

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

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

- **Rugged, Waterproof Construction.** The ABS housing provides the instrument with ultimate protection from harmful environments.
- **Dual Level Display with Graphic Symbols.** A dual level LCD displays pH or mV and temperature at the same time. Graphic symbols guide the user through the calibration process.
- **5 Memorized pH Buffer Values.** (4.01, 6.86, 7.01, 9.18, 10.01 pH).
- **READY Function.** The meter will only allow calibration when the electrode has stabilized.

SPECIFICATIONS	HI 9024	HI 9025	
RANGE	pH mV(ISE) mV(ORP) TEMP	0.00 to 14.00 pH ----- ----- 0.0 to 100.0°C	0.00 to 14.00 pH ±399.9mV ±1999mV 0.0 to 100.0°C
RESOLUTION	pH mV TEMP	0.01pH ----- 0.1°C	0.01pH 0.1mV(ISE), 1mV(ORP) 0.1°C
ACCURACY	pH mV TEMP	±0.01pH ----- ±0.5°C	±0.01pH ±0.2mV(ISE), 1mV(ORP) ±0.5°C
CALIBRATION	Automatic, 5 selectable standard buffers		
TEMPERATURE COMPENSATION	Automatic or Manual from 0 to 100°C (32 to 212°F)		
ELECTRODE/TEMPERATURE PROBE	HI 1230B pH electrode L: 120mm x 12mm dia. (included) HI 7669/2 temperature probe (included)		
INPUT IMPEDANCE	10 ¹² ohms		
BATTERY TYPE/LIFE	4 x 1.5volt AAA (alkaline batteries) / 70 hours with auto-off after 10 min.		
ENVIRONMENT	0 to 50°C (32 to 122°F); 100% RH		
DIMENSIONS	196 x 80 x 60mm (7.7 x 3.1 x 2.4")		
WEIGHT METER/KIT	425 g (15 oz.) / 1.4 Kg (3.1 lbs)		