

Portable pH Meter

HI 9224

HI 9224D

Breakthrough in Technology: Hard Copy of pH and Temperature for ISO and Quality Requirements

HI 9224 is the first portable, printing pH meter in the world. Housed in a rugged, hand-held casing with a splash-proof keyboard and weighing less than 500 grams (1 pound), this meter can be carried anywhere in the lab or in the field for on-the-spot recording. Recording interval is set at 5 minutes.

The printout supplies the user with the interval, lot #, temperature and pH value. Measurements can be performed with lab-grade precision in the field as well as in the laboratory without compromising accuracy (± 0.01 pH and $\pm 0.5^\circ\text{C}$). Three memorized buffers (pH 4.01, 7.01, 10.01) with automatic buffer recognition make calibration simple. In addition, calibration is reduced to a push-button operation.

For long term field or lab applications, the HI 9224 can be connected to a 12VDC battery recharger. This flexibility will allow your testing to continue even if there is a power failure. By using advanced technology and state-of-the-art electronics Hanna offers the HI 9224 at a fraction of the cost of a typical recorder. Upon request HI 9224D model is available. HI 9224D is supplied complete with HI 1217D 4-in-1 plastic, gel-filled, combination pH electrode with built-in temperature sensor and amplifier.

- **3 Memorized Buffers:** This meter memorizes the values for pH 4.01, 7.01, and 10.01 and uses automatic buffer recognition.
- **No Need for Thermal Paper:** Type-belt printer uses regular, non-fading paper. Inexpensive replacement paper is also available (Replacement part# HI 710034).
- **Low Power Consumption:** HI 9224 delivers many hours of use with 5 minute printing intervals. The meter uses common AA batteries. A 12VDC power supply can also be used to power the meter.



Specifications

		HI 9224	HI 9224D
Range	pH	0.00 to 14.00	
	$^\circ\text{C}$	-10.0 to 100.0	
Resolution	pH	0.01	
	$^\circ\text{C}$	0.1	
Accuracy (@ 20 $^\circ\text{C}$ /68 $^\circ\text{F}$)	pH	± 0.01	
	$^\circ\text{C}$	± 0.5	
Typical EMC Deviation	pH	± 0.03	
	$^\circ\text{C}$	± 0.8	
pH Calibration		Automatic 1 or 2 points with 3 memorized standard buffers (pH 4.01, 7.01 and 10.01)	
Temp. Compensation		Automatic from -10 to 100 $^\circ\text{C}$ (14 to 212 $^\circ\text{F}$ or fixed at 25 $^\circ\text{C}$ (77 $^\circ\text{C}$) without temperature probe (for HI 9224 only)	
Electrode		HI 1230B combination gel	HI 1217D combination gel
		pH electrode BNC+1m (3.3')	pH electrode DIN+1m (3.3')
		cable (included)	cable (included)
Temperature Probe		HI 76692/W with 1m (3.3') screened cable (included)	---
Input Impedance		10 ¹² ohm	
Printer		Low power impact type-belt, 14 characters per line; 38 mm plain paper (HI 710034)	
Printing Interval		5 minutes	
Power Supply		4 x 1.5V AA batteries / 250 hours approx continuous use Auto-off after 5 minutes. Power socket for 12 VDC	
Environment		0 to 50 $^\circ\text{C}$ (32 to 122 $^\circ\text{F}$); RH 95%	
Dimensions		220 x 82 x 66 mm (8.7 x 3.2 x 2.6")	
Weight		500 g (18 oz.); Kit: 1.4 Kg (3.1 lb.)	

Ordering Information

ITEM	DESCRIPTION
HI 9224	Supplied complete with HI 1230B combination, gel-filled pH electrode with BNC and 1m (3.3') cable, HI 7669/2W temp. probe with 1m(3.3') cable, 5 paper rolls and 4x1.5V AA batteries in a rugged carrying case.