

HI 98230 • HI 98240



Printing and Logging pH Meters with GLP and Smart Electrode

The top-of-the-range HI 98230 and HI 98240 pH meters offer many advanced features engineered into a highly portable meter, with the added advantage of having a built-in plain paper printer, logging and log-on-demand.

Featuring GLP (Good Laboratory Practice) capabilities, these instruments incorporate the HANNA instruments' intelligent electrode technology.

All these features make HI 98230 and HI 98240 ideal for on site as well as field laboratories.

HI 98230 and HI 98240 are the perfect solution for any application where pH measurements need to be recorded. In fact, data can be stored or printed directly on demand or automatically. The stored data (up to 100 measurements on-demand and up to 1500 automatically) can also be downloaded to a PC with a standard RS232 serial connection and Hanna's infrared adapter and HI 92000 Windows® compatible software (not included), which permits the transfer of data to other programs.



Specifications

	HI 98230	HI 98240
Range	pH	-4.00 to 19.99 pH
	mV	±400.0 mV; ±2000 mV
Temperature	-10.0 to 120.0°C / -14.0 to 248.0°F	
Resolution	pH	0.01 pH
	mV	0.1 mV (±400 mV); 1 mV (outside)
Temperature	0.1°C / 0.1°F	
Accuracy (@20°C)	pH	±0.01 pH
	mV	±0.5 mV (±400 mV); ±2 mV (outside)
Temperature	±0.5°C (0 to 70°C); ±1°C (outside) / ±1°F (32 to 158°F); ±1.8°F (outside)	
pH Calibration	automatic, 1 or 2 point with 5 memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)	
mV Calibration	automatic, 2 point at 0, 350 mV or 3 point at 0, 350, 1900 mV	
Temperature Compensation	automatic, -10 to 120°C (14 to 248°F)	
pH Electrode	HI 1618D smart electrode with temperature sensor, DIN connector and 1 m (3.3') cable (included)	
PC Connection	HI 9200/9 IR interface, connected to the computer RS232 serial port	
Logging / Printing Interval	selectable at 1, 2, 5, 10, 15, 30, 60, 120 or 180 minutes	
Power Supply	4 x 1.5V AA batteries / approx. 350 hours of continuous use (with backlight off) or 12 Vdc input	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions / Weight	220 x 87 x 75 mm (8.7 x 3.4 x 2.9") / 550 g (1.2 lb.)	

Accessories

HI 1618D	Smart pH electrode with Ultem® body and DIN connector	HI 70300L	Electrode storage solution, 500 mL bottle
HI 3620D	ORP electrode with Ultem® body	HI 77400P	pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each
HI 76405	Electrode holder	HI 710034	Paper roll (10 pcs.)
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 710035	Ink cartridge (1 pc.)
HI 7007L	pH 7.011 buffer solution, 500 mL bottle	HI 92000	Windows® compatible software
HI 7010L	pH 10.011 buffer solution, 500 mL bottle	HI 9200/9	IR interface for PC connection

Ordering Information

HI 98230 and HI 98240 are supplied complete with HI 1618D smart pH electrode with internal temperature sensor, pH 4 and pH 7 buffer sachets, electrode cleaning solution, 5 paper rolls, batteries, 12 Vdc power adapter, rugged carrying case and instructions.

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH and ORP electrodes, see section E. For accessories, see section U.