

pH and Selective Ions with Built-in Printer

HI 122 and HI 123 are strong additions to the HANNA instruments family of professional pH meters. These meters offer all the latest features and built-in printer.

Besides basic functions, like millesimal resolution and automatic temperature compensation, they are provided with our Calibration Check™ system for electrode calibration evaluation. The combination of this option with the ability to calculate a calibration curve in 5 points (from 7 stored plus 2 custom values), make these products suitable for any kind of application, both with neutral pH, and with very alkaline pH values.

Both meters adhere to Good Laboratory Practices and can store data and measurements of each calibration to be printed directly or downloaded to a PC through the RS232 port.

HI 123 can also measure specific ions directly in ppm. Calibration is still fast and easy, in 1 or 2 points from among 5 standard memorized buffers.



Specifications

	HI 122	HI 123
Range	pH mV Selective Ions Temperature	-2.00 to 16.00 pH / -2.000 to 16.000 pH ±999.9 and ±2000 mV — 0.001 to 19999 ppm -20.0 to 120.0°C
Resolution	pH mV Selective Ions Temperature	0.01 pH / 0.001 pH 0.1 mV / 1 mV — 0.001 / 0.01 / 0.1 / 1 ppm 0.1°C
Accuracy (@20°C)	pH mV Selective Ions Temperature	±0.01 pH / ±0.002 pH ±0.2 mV (±699.9 mV) / ±0.5 mV (±999.9 mV) / ±1 mV (±2000 mV) — ±0.5% f.s. ±0.4°C
BNC Inputs	1 for pH electrode	1 for pH electrode + 1 for ISE electrode
Calibration Check		status of electrode condition and response time, status of the buffer solutions during calibration
Relative mV Offset	—	±2000 mV
pH Calibration	automatic, up to 5 points with 7 memorized values (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) + 2 custom buffers	
ISE Calibration	—	automatic, 1 or 2 point with 5 memorized values (0.1, 1, 10, 100, 1000 ppm)
Temperature Compensation		automatic or manual, -20.0 to 120°C (-4 to 248°F)
pH Electrode		HI 1131P, glass body, refillable, BNC + pin connectors, 1 m cable (included)
Temperature Probe		HI 7662 with 1 m (3.3') cable (included)
Input Impedance		10 ¹² Ohm
Log-on-demand	500 samples	1000 samples
Automatic Logging	1000 samples	2000 samples
PC Connection		RS232 serial port, optoisolated
Printer		built-in, with 44 mm plain paper
Power Supply		12 Vdc adapter (included)
Environment		0 to 50°C (32 to 122°F); RH max 95%
Dimensions / Weight		280 x 203 x 84 mm (11.0 x 8.0 x 3.3") / 1.9 kg (4.2 lb.)

Accessories

HI 1131P	Refillable pH electrode with BNC+pin and 1 m (3.3') cable	HI 6010	pH 10.010 buffer solution, 500 mL bottle
HI 7662	Temperature probe	HI 77400P	pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each
HI 76405	Electrode holder	HI 710005	115 Vac/12 Vdc power adapter
HI 6016	pH 1.677 buffer solution, 500 mL bottle	HI 710006	230 Vac/12 Vdc power adapter
HI 6004	pH 4.010 buffer solution, 500 mL bottle	HI 92000	Windows® compatible software
HI 6007	pH 7.010 buffer solution, 500 mL bottle	HI 920010	Serial cable for PC connection

Ordering Information

HI 122 is supplied complete with HI 1131P pH electrode, HI 7662 temperature probe, pH 4 and pH 7 buffers, electrolyte solution, 5 paper rolls, 12 Vdc power adapter and instructions.

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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.