HI 120 • HI 121













Professional pH Meters with Calibration Check and Automatic Data Logging





Specifications

	HI 120	HI 121			
Range	pH -2.00 to	-2.00 to 16.00 pH / -2.000 to 16.000 pH			
	mV	\pm 999.9 and \pm 2000 mV			
Selective	e lons —	0.001 to 19999 ppm			
Tempe	rature	-20.0 to 120.0°C			
Resolution	pH	Hq 100.0 / Hq 0.001			
	mV	0.1 mV / 1 mV			
Selective	e lons —	0.001 / 0.01 / 0.1 / 1 ppm			
Tempe	rature	0.1℃			
Accuracy (@20°C)	рН	± 0.01 pH $/\pm 0.002$ pH			
	mV $\pm 0.2 \text{ mV} (\pm 699.9 \text{ mV})$	$/\pm0.5$ mV (±999.9 mV) $/\pm1$ mV (±2000 mV)			
Selective	e lons —	$\pm 0.5\%$ f.s.			
Temper	rature	±0.4°C			
BNC Inputs	1 for pH electrode	1 for pH electrode $+$ 1 for ISE electrode			
Calibration Check	Check status of electrode condition and response time, status of the buffer solutions during calibration				
Reletive mV Offset	_	$\pm 2000~\text{mV}$			
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 Compenso	ation automatic o	automatic or manual, -20.0 to 120°C (-4 to 248°F)			
pH Electrode	HI 1131P, (HI 1131P , glass body, refillable, BNC $+$ pin connectors, 1 m cable (included)			
Temperature Probe	HI 766	HI 7662 with 1 m (3.3') cable (included)			
Input Impedance		10 ¹² Ohm			

Accessories

Log-on-demand

PC Connection

Power Supply

Environment Dimensions / Weight

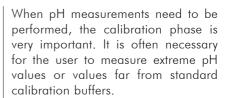
Automatic Logging

HI 1131P	Refillable pH electrode with	HI 6010	pH 10.010 buffer solution,
HI 7662	BNC+pin and 1 m (3.3') cable Temperature probe	HI 77400P	500 mL bottle pH 4 and pH 7 buffer sachets,
HI 76405	Electrode holder		20 mL,5 pcs. each
HI 6016	pH 1.677 buffer solution, 500 mL bottle	HI 710005 HI 710006	115 Vac/12 Vdc power adapter 230 Vac/12 Vdc power adapter
HI 6004	pH 4.010 buffer solution, 500 mL bottle	HI 92000 HI 920010	Windows® compatible software Serial cable for PC connection
HI 6007	pH 7.010 buffer solution, 500 mL bottle	111 720010	Sentificable for 1°C confiection

500 samples

1000 samples

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.



HI 120 and HI 121 can offer help in these situations, thanks to automatic calibration in up to 5 points. Users can select each point from among the 7 factory stored values and up to 2 more values manually entered for specific applications.

Moreover, thanks to Calibration Check™, good calibration results can be easily viewed directly on the display with the percentage information regarding electrode condition and response.

Both meters are in compliance with GLP. HI 121 can also perform ORP and ion-selective measurements, and store data that can be easily downloaded to a PC thanks to an RS232 port and our optional HI 92000 software.



Cal-Check™ Function

Ordering Information

HI 120 is supplied complete with HI 1131P pH electrode, HI 7662 temperature probe, pH 4 and pH 7 buffers, electrolyte solution, 12 Vdc power adapter and instructions.

HI 121 is supplied complete with HI 1131P pH electrode, HI 7662 temperature probe, pH 4 and pH 7 buffers, electrolyte solution, 12 Vdc power adapter and instructions.

RS232 serial port, optoisolated 12 Vdc adapter (included)

0 to 50°C (32 to 122°F); RH max 95%

280 x 203 x 84 mm (11.0 x 8.0 x 3.3")/ 1.8 kg (4.0 lb.)

1000 samples

2000 samples



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