

pH Measurement Has Never Been So Easy



HANNA instruments' philosophy has always been to satisfy customer needs in different application fields. For this reason, many classes of instruments have been designed to measure a specific parameter.

pH measurement is extremely important where the quality of water is of primary concern. This includes the food industry, textiles, water analysis, wastewater, as well as engineering, paper mills and tanning.

pH 20 and pH 21 were designed following this philosophy. Compact and simple to use, they perform quick measurements and are suitable for education, where the first exposure to measuring instruments takes place.

Both meters provide centesimal resolution. pH 21 also performs measurements directly in mV and can be used for ORP measurements.

To provide the user with complete information on the analyzed sample, measurements can be manually or automatically compensated for temperature variations with HI 7662 probe (optional).



Specifications

		pH 20	pH 21
Range	pH	—	0.00 to 14.00 pH
	mV	—	-1999 to 1999 mV
Resolution	Temperature	—	0.0 to 100.0 °C
Accuracy	pH	—	0.01 pH
	mV	—	1 mV
Temperature Compensation	Temperature	—	0.1 °C
	pH	—	±0.02 pH
Probes	mV	—	±2 mV
	Temperature	—	±1 °C
Temperature Compensation	manual (adjustable with arrow keys) or automatic from 0 to 100°C (with temperature probe)		
Probes	HI 1110B pH electrode (included); HI 7662 temperature probe (optional)		
pH Calibration	automatic, 1 or 2 point (pH 4.01, 7.01, 10.01)		
Input Impedance	10 ¹² Ohm		
Power Supply	12 Vdc adapter (included)		
Environment	0 to 50°C (32 to 122°F); RH max 95%		
Dimensions	230 x 170 x 75 mm (9.1 x 6.7 x 3.0")		
Weight	500 g (1.1 lb.)		

Accessories

HI 1110B	pH electrode with BNC connector and 1 m (3.3') cable	HI 7007L	pH 7.01 buffer solution, 500 mL bottle
HI 3131B	ORP electrode with platinum sensor	HI 7010L	pH 10.01 buffer solution, 500 mL bottle
HI 7662	Temperature probe	HI 70300L	Electrode storage solution, 500 mL bottle
HI 76405	Electrode holder	HI 710005	115 Vac / 12 Vdc adapter
HI 70000P	Electrode rinsing solution, 20 mL sachet, 25 pcs.	HI 710006	230 Vac / 12 Vdc adapter
HI 7004L	pH 4.01 buffer solution, 500 mL bottle		

Ordering Information

pH 20 is supplied complete with HI 1110B pH electrode, 12 Vdc power adapter and instructions.

pH 21 is supplied complete with HI 1110B pH electrode, 12 Vdc power adapter 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.