

Leather and Paper pH Meter

Direct measurement of pH on paper and leather is made fast and easy with the HI 99171 pH meter provided with a flat tip probe, specially designed to optimize surface contact with the sample.

pH measurement of papers and cartons is important, not only in the production phase, but also in the packaging phase.

The food industry, for example, performs many compatibility tests; one of these is pH. Measurements are automatically compensated for the effects of temperature with the internal sensor of the probe and the LCD continuously displays the sample's temperature.

All operations can be performed simply with 2 buttons; messages and symbols on the display guide the user through each measurement and calibration procedures.

pH and temperature ranges are extended, from -2.00 to 16.00 pH and -5.0 to 105.0 °C respectively.

Calibration is automatic at 1 or 2 points, selectable by the user between 2 memorized buffer sets.

Battery life is more than 1500 hours and the percentage of the remaining charge is displayed when the meter is turned on.

HI 99171 turns off automatically after 8 minutes of inactivity.

Ordering Information

HI 99171 is supplied with HI 1414D pH electrode, pH 4 and pH 7 buffer sachets, HI 700680 cleaning solution (2 x 20 mL sachet), HI 70960 sample preparation solution (30 mL), batteries, rugged carrying case and instructions.



Specifications

HI 99171		
Range	pH	-2.00 to 16.00 pH
	Temperature	-5.0 to 105.0°C / 23.0 to 221.0°F
Resolution	pH	0.01 pH
	Temperature	0.1°C / 0.1°F
Accuracy (@20°C)	pH	±0.02 pH
	Temperature	±0.5°C (up to 60°C), ±1°C (outside) ±1.0°F (up to 140°F), ±2°F (outside)
pH Calibration		automatic, 1 or 2 point with 2 sets of memorized buffers (pH 4.01/7.01/10.01 or 4.01/6.86/9.18)
Temperature Compensation		automatic, -5 to 105°C (23 to 221°F)
pH Electrode		HI 1414D, amplified, flat tip, with internal temperature sensor (included)
Battery Type / Life		3 x 1.5V AA / approx. 1500 hours of continuous use; auto-off after 8 minutes of non-use
Environment		0 to 50°C (32 to 122°F); RH max 100%
Dimensions / Weight		150 x 80 x 36 mm (5.9 x 3.1 x 1.4") / 210 g (7.4 oz.)

Accessories

HI 1414D	Amplified pH electrode with flat tip, internal temperature sensor and DIN connector	HI 70010P	pH 10.01 buffer solution, 20 mL sachet, 25 pcs.
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 77400P	pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 70300L	Electrode storage solution, 500 mL bottle
HI 7010L	pH 10.01 buffer solution, 500 mL bottle	HI 70960	Electrolyte solution for sample preparation, 30 mL
HI 70004P	pH 4.01 buffer solution, 20 mL sachet, 25 pcs.	HI 700680P	Cleaning solution for cellulose deposits, 20 mL, 25 pcs
HI 70007P	pH 7.01 buffer solution, 20 mL sachet, 25 pcs.	HI 710007	Shockproof rubber boot, blue
		HI 710008	Shockproof rubber boot, orange

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.