

pH Meter for Leather and Paper



- Dedicated to leather and paper applications
- Flat-tipped glass probe
- Multi-level LCD display
- On-screen tutorial messages for calibration and set-up
- Stability indicator
- Automatic Temperature Compensation
- Automatic one or two point calibration
- BEPS (Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- Battery % displayed on startup
- Compact, heavy-duty, and waterproof
- Easy to clean flat-tip sensor

Direct pH measurement on paper and leather is fast and accurate with the HI 99171N pH meter. HI 99171N utilizes a flat tip probe 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, perform pH compatibility tests.

- **Flat-tipped glass probe**

The HI 1414D maximizes surface contact with the sample to provide accurate, consistent results.

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 one or two point calibration with two sets of memorized buffers (Standard 4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18)	
Temperature Compensation	automatic, -5.0 to 105.0°C (23 to 221°F)	
Electrode	HI 1414D Glass body, pre-amplified pH electrode with flat tip, internal temperature sensor, DIN connector and 1 m (3.3') cable (included)	
Battery Type / Life	1.5V AAA (3) / approximately 1200 hours of continuous use. Auto-off after eight minutes of non-use	
Environment	0 to 50°C (32 to 122°F); RH max. 100%	
Dimensions	152 x 58 x 30 mm (6.0 x 2.3 x 1.2")	
Weight	205 g (7.2 oz.)	

ORDERING INFORMATION

HI 99171 is supplied with HI 1414D flat tipped pH/temperature probe, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, HI 700680 electrode cleaning solution for cellulose deposits sachets (2), HI 70960 conductive electrolyte solution for pH measurement (30 mL), batteries, instructions and hard carrying case..

ELECTRODES

HI 1414D Glass body, pre-amplified pH electrode with flat tip, internal temperature sensor, DIN connector and 1 m (3.3') cable

SOLUTIONS

HI 5004L pH 4.01 buffer solution, 500 mL
HI 5007L pH 7.01 buffer solution, 500 mL
HI 5010L pH 10.01 buffer solution, 500 mL
HI 7061L Electrode cleaning solution, 500 mL
HI 70300L Electrode storage solution, 500 mL
HI 700680P Electrode cleaning solution for cellulose deposits, 20 mL sachets (25)
HI 700681P Electrode cleaning solution for ink stains, 20 mL sachets (25)

ACCESSORIES

HI 710023 Orange protective rubber boot
HI 710024 Blue protective rubber boot

For a complete list of Solutions and Electrodes, see the end of this section.