



Specifications

		HI 99181
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/50, amplified, flat tip, with internal temperature sensor, 50 mm (2.0") long body (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/50	pH electrode with flat tip, glass body, 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 700620P	Cleaning & disinfection solution for skin residuals, 20 mL, 25 pcs.
HI 70004P	pH 4.01 buffer solution, 20 mL sachet, 25 pcs.	HI 700621P	Cleaning solution for skin grease and sebum, 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

HI 99181 is a new pH meter from HANNA instruments®, specifically designed for skin analysis. Essential for labs researching the biological compatibility of cosmetics and pharmaceuticals.

HI 99181 provides affordable, fast, simple measurements without compromising precision.

The HI 1414D/50 special flat tip electrode permits perfect contact between probe and sample. Thanks to the built-in temperature sensor, measurements are automatically compensated for the effects of temperature. The meter guides the user through the different steps of calibration with specific messages and symbols.

The reading can be frozen on the display, thanks to the HOLD feature. The user can select not only the pH calibration buffer set, but also the temperature measurement unit (°C or °F). This laboratory instrument measures in wide pH and temperature ranges, from -2.00 to 16.00 pH, and from -5.0 to 105.0 °C.

The calibration is automatic at 1 or 2 points, selectable between 2 memorized buffer sets.

Battery life is more than 1500 hours and the percentage of remaining battery life is displayed at start up.

HI 99181 turns off automatically after 8 minutes of inactivity

Ordering Information

HI 99181 is supplied with HI 1414D/50 pH electrode, pH 4 and pH 7 buffer sachets, HI 700620 (2 x 20 mL sachet) and HI 700621 (2 x 20 mL sachet) cleaning solutions, batteries, rugged carrying case 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.