

Plating Bath pH Meter

HI 99131 is a waterproof, portable pH/temperature meter, ideal for use in plating baths. HI 62911 double junction pH electrode (included) has a titanium body and utilizes proven recessed flat tip technology. The body of the probe also functions as a potential matching pin to assure stable readings and an extended sensor life. The probe tip incorporates an annular Teflon® junction for maximum surface contact, giving increased response and stability, as well as an integral temperature sensor, eliminating the need for an additional temperature probe. The recessed flat tip is easy to clean and prevents solids in solution from collecting on the sensor. This advanced electrode also contains a mini amplifier to boost the electrode signal, rendering the meter impervious to noise and interference. The meter reads from -2.00 to 16.00 pH, while simultaneously showing the temperature in °C or °F. Graphic icons guide operations and a stability indicator with hold feature determines when to freeze the reading for easy record keeping. Calibration is performed automatically at one or two points with standard or NIST calibration buffers. Battery life is over 1500 hours and, at startup, the LCD shows the remaining battery power. In addition, BEPS (Battery Error Prevention System) prevents inaccurate readings due to low voltage and an 8 minute auto-off period saves battery life.

Ordering Information

HI 99131 is supplied complete with HI 62911 pH electrode with internal temperature sensor, pH 4 and pH 7 buffer sachets, HI 700661 electrode cleaning solution (2 x 20 mL), batteries, rugged carrying case and instructions.



Specifications

		HI 99131
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 62911, amplified, with titanium cage, internal temperature sensor and Matching-Pin (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 62911	pH electrode, double junction, with titanium cage	HI 70010P	pH 10.01 buffer solution, 20 mL sachet, 25 pcs.
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 70300L	Electrode storage solution, 500 mL bottle
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 700661	Electrode cleaning solution, 20 mL sachet, 25 pcs.
HI 7010L	pH 10.01 buffer solution, 500 mL bottle	HI 710007	Shockproof rubber boot, blue
HI 70004P	pH 4.01 buffer solution, 20 mL sachet, 25 pcs.	HI 710008	Shockproof rubber boot, orange
HI 70007P	pH 7.01 buffer solution, 20 mL sachet, 25 pcs.		

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.