

## HI 99131 Plating Baths pH Meter



- **Application Specific Electrode** - The stainless steel HI 62911 is designed for continuous use in the harshest of industrial environments.
- **Stability Indicator**- To simplify your measurement process, the LCD shows when the pH electrode has stabilized.
- **Easy To Use**- Graphic symbols and automatic buffer recognition simplify your pH monitoring.
- **Automatic Temperature Compensation** - With ATC, pH readouts are always accurate and precise.
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The new HI 99131 from Hanna is a waterproof, portable pH/temperature meter ideal for use in plating baths. HI 62911 double junction pH electrode (included) has a stainless steel 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 bad readings due to low voltage and an 8 minute auto-off period saves battery power.

HI 99131 is supplied complete with HI 62911 double junction pH electrode, 3 x 1.5V AA batteries, instruction manual and carrying case.

### Specifications:

		HI 99131
<b>Range</b>	<b>pH</b>	-2.00 to 16.00
	<b>Temperature</b>	-5.0 to 105.0°C or 23.0 to 221.0°F
<b>Resolution</b>	<b>pH</b>	0.01
	<b>Temperature</b>	0.1 °C and °F
<b>Accuracy</b>	<b>pH</b>	±0.02 pH

<b>(@20°C/68°F) Temperature</b>	$\pm 0.5^{\circ}\text{C}$ up to $60^{\circ}\text{C}$ ; $\pm 1^{\circ}\text{C}$ outside $\pm 1^{\circ}\text{F}$ up to $140^{\circ}\text{F}$ ; $\pm 2^{\circ}\text{F}$ outside
<b>Typical EMC Deviation</b>	<b>pH</b> $\pm 0.3$ pH; $\pm 1^{\circ}\text{C}$ <b>Temperature</b> $\pm 0.2^{\circ}\text{C}$ or $\pm 0.4^{\circ}\text{F}$
<b>pH Calibration</b>	Automatic 1 or 2 points with 2 sets of 3 memorized buffers (4.01/7.01/10.01 or 4.01/6.86/9.18)
<b>Temp. Compensation</b>	Automatic
<b>Electrode</b>	HI 62911 amplified pH electrode w/built-in temperature sensor & matching pin (included)
<b>Battery Type</b>	3 x 1.5V AA
<b>Battery Life</b>	approximately 1500 hours. Auto-off after 8 minutes
<b>Environment</b>	0 to $50^{\circ}\text{C}$ (32 to $122^{\circ}\text{F}$ ); 100% RH
<b>Dimensions</b>	150 x 80 x 36 mm (5.9 x 3.1 x 1.4")
<b>Weight</b>	207 g (7.3 oz.)

**To order call MBH ENGINEERING SYSTEMS: 781-334-2600**  
**or email: [sales@mbhes.com](mailto:sales@mbhes.com)**