

# HI 931700 MINI PANEL MOUNTED pH CONTROLLER

- **HI 931700** is the smallest panel mounted pH controller around.
- Its small size allows installation close to the monitored equipment, thus adding to its versatility in the industry.
- Possible applications are almost infinite; from textile (particularly in the monitoring of pH in the wool processing), paper, photographic, plating and aquarium to the process industry. Also small swimming pools and water purification plants can be controlled with **HI 931700**.
- With an affordable cost, **HI 931700** can help you monitor your installations that up to now have been seldom controlled.
- **HI 931700** is equipped with single set point with selection of acid or alkaline dosage. It accepts direct input from any combination pH electrode ending in a BNC connector and provides measurements from 0 to 14 pH with a resolution of 0.01 pH.
- The mini pH controller range has now been enhanced with a UL/CSA approved model. **HI 931700V** is powered by 12VDC and supplied complete with a transformer.



## SPECIFICATIONS

	HI 931700U	HI 931700D	HI 931700V
RANGE		0.00 to 14.00 pH	
RESOLUTION		0.01 pH	
ACCURACY (@20°C/68°F)		±0.02 pH	
TYPICAL EMC DEVIATION		±0.02 pH	
INPUT		High impedance 10 <sup>12</sup> Ohm	
CALIBRATION		Offset: ±2 pH by trimmer / Slope: 80 to 110% by slope trimmer	
READOUT		4-digit LCD plus graphic symbols	
RECORDER OUTPUT		4 to 20 mA (upon request also 0 to 20 mA)	
1 SET POINT RELAY		2 A, Max. 240 V, resistive load, 1,000,000 strokes	
POWER SUPPLY	110/115V; 50/60 Hz	220/240V; 50/60 Hz	12VDC adapter
ENVIRONMENT		-10 to 50°C (14 to 122°F), 95% non-condensing	
PANEL CUTOUT		73 x 42 mm (2.87 x 1.65")	
DIMENSIONS / WEIGHT		79 x 49 x 95 mm (3.11x1.93x3.74") / 130 g (4.58 oz.)	

## HOW TO ORDER

- HI 931700U 110/115V controller supplied with mounting brackets and instruction manual  
 HI 931700D 220/240V controller supplied with mounting brackets and instruction manual  
 HI 931700V controller supplied with mounting brackets, 12VDC adapter and instruction manual

## ACCESSORIES

- |            |   |           |                                   |
|------------|---|-----------|-----------------------------------|
| HI 1001    | Plastic in-line pH electrode              | HI 7004L  | pH 4.01 buffer solution (460 mL)  |
| HI 1090B/5 | Glass pH electrode BNC+5 m (16.5')        | HI 7007L  | pH 7.01 buffer solution (460 mL)  |
| HI 1090T   | Glass pH electrode T connector            | HI 7010L  | pH 10.01 buffer solution (460 mL) |
| HI 2911B/5 | Plastic pH electrode BNC+5 m (16.5')      | HI 8427   | pH and ORP electrode simulator    |
| HI 6054B   | Electrode holder for in-line applications | HI 931001 | pH and ORP electrode simulator    |

For a comprehensive list of accessories, see section R.