## pH Analog Controller

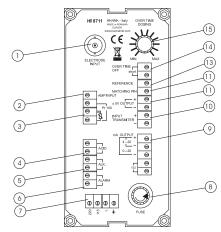
with Dual Output and Self-Diagnostic Test

- 0.2 to 3.00 pH alarm tolerance range
- Automatic temperature compensation
- Backlit, LCD display
- A removable, transparent splash-proof cover protects the front panel.

HI8711 allows the selection of two set points with two independent outputs for acid and alkaline dosages.

HI8711 accepts either a direct input from a pH or ORP electrode or from a transmitter through 4-20 mA input. The instrument also provides  $\pm 5V$  power output and input terminals for amplified electrodes. In addition, you can choose the output configuration for connecting a recorder or a PLC, between 0-20 or 4-20 mA.

The HI8711 incorporates adjustable overtime dosing protection from 5 to 60 minutes. If dosing exceeds selected time, the alarm will be triggered and the dosing contact will deactivate. This feature can be activated or deactivated.



- 1. BNC socket for pH electrode
- 2. Input from amplified electrode
- 3. Connections for Pt100 temperature sensor
- 4. Connections for dosing pump for acid
- 5. Connections for dosing pump for base
- 6. Alarm contacts7. Power supply terminals
- 8. Fuse holder
- 9. Recorder output contacts
- 10. Connections to the transmitter
- 11. Power for amplified electrode
- 12. Connection for matching pin
- 13. Connection for reference electrode
- 14. Disable overtime connection
- 15. Overtime set knob (about 5 to 60 min)



## HI8711 Specifications 0.00 to 14.00 pH Range Resolution 0.01 pH Accuracy (@25°C/77°F) ±0.02 pH (0 to 100 °C); ±0.05 pH (-20 to 0 °C); ±0.5% (input from transmitter) Input high impedance 10<sup>12</sup> Ohm; reference and matching pin inputs are available; 4-20 mA Power Output ±5 Vcc; 150 mA max load for amplified electrodes Calibration offset: ±2 pH with OFFSET trimmer; slope: 80 to 110% with SLOPE trimmer Temperature fixed or automatic with Pt100, from -20 to 100°C (-4 to 212°F) Compensation Recorder Output 0-20 mA or 4-20 mA (isolated) Set Point Relay 2, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected) alk. set: from 0.00 to 14.00 pH; acid set: from 0.00 to 14.00 pH Set Point Range Alarm Relay 1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected) 0.2 to 3.00 pH Alarm Range Dosing Control OFF/AUTO/ON with selection switch Over Dosing Control adjustable, from 5 min to 60 min with knob or disable by wire strap - on rear panel Backlight continuous on Power Supply 115 VAC ±10% or 230 VAC ±10%; 50/60 Hz Enclosure flame retardant ABS body and front panel; transparent splash-proof front cover Environment -10 to 50°C (14 to 122°F); RH max 95% non-condensing Panel Cutout 141 x 69 mm (5.6 x 2.7") Weight 1 kg (2.2 lb.) Ordering The HI8711 is supplied complete with mounting brackets and instructions. Information HI8427 pH / ORP electrode simulator HI931001 pH / ORP electrode simulator with display Accessories HI8614N pH transmitter HI8614LN pH transmitter with display



<sup>o</sup>rocess Instrumentation