

HI8711

pH Analog Controller

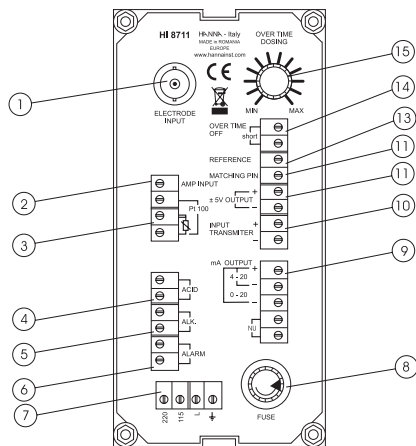
with Dual Output and Self-Diagnostic Test

- 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 contacts
7. 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)



Specifications HI8711

Range	0.00 to 14.00 pH
Resolution	0.01 pH
Accuracy (@25°C/77°F)	± 0.02 pH (0 to 100 °C); ± 0.05 pH (-20 to 0 °C); $\pm 0.5\%$ (input from transmitter)
Input	high impedance 10^{12} 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 Compensation	fixed or automatic with Pt100, from -20 to 100°C (-4 to 212°F)
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)
Set Point Range	alk. set: from 0.00 to 14.00 pH; acid set: from 0.00 to 14.00 pH
Alarm Relay	1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected)
Alarm Range	0.2 to 3.00 pH
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 $\pm 10\%$ or 230 VAC $\pm 10\%$; 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 Information	The HI8711 is supplied complete with mounting brackets and instructions.
Accessories	HI8427 pH / ORP electrode simulator
	HI931001 pH / ORP electrode simulator with display
	HI8614N pH transmitter
	HI8614LN pH transmitter with display