



HI8710 pH Analog Controller

with Self-Diagnostic Test

- Fail Safe Alarm System
- Automatic temperature compensation
- Backlit, LCD display
- Transparent, splash-proof front cover

HI8710 is a panel mounted pH controller with self-diagnostic test capabilities. Users can set: the setpoint for acid or alkaline dosage, the tolerance of the setpoint before an alarm is activated, the dosage mode (automatic, continuous on or off), and the over dosage control by setting the overtime dosage knob.

HI8710 is a panel mounted pH controller with self-diagnostic test capabilities. When used in conjunction with the HI8720 ORP controller, the ODCD* function will ensure that the ORP dosage will start.

* ORP dosing consent device

Specifications	HI8710
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); ±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
Recorder Output	0-20 mA or 4-20 mA (isolated)
Set Point Relay	1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected)
Set Point Range	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
Consent Relay	1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected)
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
Ordering Info	The HI8710 is supplied complete with mounting brackets and instructions.
Accessories	HI1001 pH continuous flow-thru electrode with BNC connector and 3 m cable
	HI931001 pH / ORP electrode simulator with display
	HI8614N pH transmitter



HI8720 ORP Analog Controller

with Self-Diagnostic Test

- Backlit LCD display
- Transparent, splash-proof front cover

HI8720 allows the selection of a setpoint for oxidizing or reducing dosage.

When used in conjunction with the HI8710 pH controller, the ODCD* function (featured by the HI8710) will ensure that the ORP dosage will start only when the pH level is correct.

These instruments have been designed for easy and fast installation and are provided with membrane keypads on the front panel, a large display, and autodiagnostic functions.

* ORP dosing consent device

Specifications	HI8720
Range	±1999 mV
Resolution	1 mV
Accuracy (@25°C/77°F)	±5 mV; ±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: ±200 mV with CAL trimmer;
Recorder Output	0-20 mA or 4-20 mA (isolated)
Set Point Relay	1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected)
Set Point Range	±1999 mV
Alarm Relay	1, isolated, 2 A, max 240 V, resistive load, 1000000 strokes (not fuse protected)
Alarm Range	10 to 300 mV
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
Ordering Info	The HI8720 is supplied complete with mounting brackets and instructions.
Accessories	HI2001 ORP continuous flow-thru electrode with BNC connector and 3 m cable
	HI8615N ORP transmitter
	HI8615LN ORP transmitter with display