



HI8720

ORP Analog Controller

with Self-Diagnostic Test

- 10 to 300 mV alarm tolerance range
- Backlit, LCD display
- Removable, transparent splash-proof cover protects the front panel.

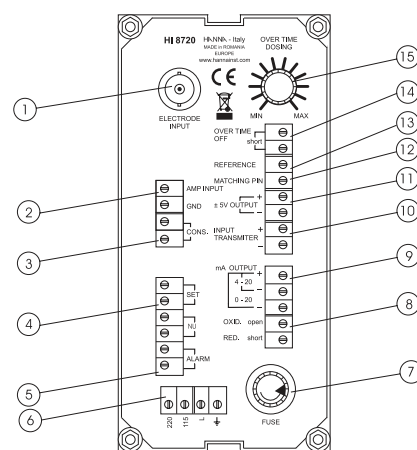
This instrument allows the selection of a set point for oxidizing or reducing dosage.

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

Each model accepts either a direct input from an 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.

Moreover, you can choose the output configuration for connecting a recorder or a PLC, between 0-20 or 4-20 mA.

Specifications	HI8720
Range	± 1999 mV
Resolution	1 mV
Accuracy (@25°C/77°F)	± 5 mV; $\pm 0.5\%$ (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: ± 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
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 HI8720 is supplied complete with mounting brackets and instructions.
Accessories	HI8427 pH / ORP electrode simulator
	HI8615N ORP transmitter
	HI8615LN ORP transmitter with display



1. BNC socket for ORP electrode
2. Input from amplified electrode
3. Oxid/Reduc dosage consent terminals
4. Connections for dosing pump
5. Alarm contacts
6. Power supply terminals
7. Fuse holder
8. OXID/RED dosage selection terminals
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)