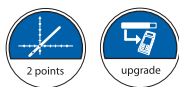


# HI 9910



## Wall Mounted pH Controller with Single Setpoint and Proportional Dosage



### Specifications

HI 9910	
Range	0.00 to 14.00 pH
Resolution	0.01 pH
Accuracy (@20°C/68°F)	±0.02 pH
Input Impedance	10 <sup>12</sup> Ohm
Calibration	manual, 2 point, through trimmers on the front panel
Temperature Compensation	automatic from 0 to 50°C with Pt100 probe or manual from -10 to 80°C
Setpoint	selectable from 0.00 to 14.00 pH
Recorder Output	selectable at 0-20 mA or 4-20 mA (isolated)
Proportional Control	adjustable from 0.0 to 2.0 pH and time cycle from 0 to 90 seconds
Dosing Contact	1 powered terminal for pH correction (115 or 240 V) Max. 2A, 1,000,000 strokes; activated when pH > setpoint for acid dosage or when pH < setpoint for alkaline dosage
Alarm Relay	1, activated when pH varies more than a selectable value (0.5 to 2.5 pH) from setpoint or when max dosage time (adjustable from 1 to 10 minutes) elapses (isolated, Max 2A-240 V, resistive load, 1,000,000 strokes)
Power Supply	110/115 Vac ±10% or 220/240 Vac ±10%; 50/60 Hz
Environment	-10 to 50°C (14 to 122°F); RH max 95% non-condensing
Dimensions	221 x 181 x 86 mm (8.7 x 7.1 x 3.4")
Weight	1.6 kg (3.5 lb.)

### Accessories

HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 8427	pH / ORP electrode simulator
HI 7007L	pH 7.01 buffer solution, 500 mL bottle	HI 931001	pH / ORP electrode simulator with display
HI 7010L	pH 10.01 buffer solution, 500 mL bottle		

For a complete range of process electrodes and probes, see section T2.

HI 9910 is a pH controller with a single setpoint for proportional dosage of acid or alkaline solutions. Any pH electrode ending in a BNC connector can be directly attached to the controller. The proportional control can be fine tuned through two dials on the front panel. The time cycle is adjustable from 0 to 90 seconds and the proportional band from 0.0 to 2.0 pH. Coarse and fine as well as offset and slope trimmers make accurate setting and calibration easy and convenient. A pump or electro-valve can be wired directly to the controller and be powered through the terminals.

The HI 9910 also provides for an alarm relay. The alarm is activated when the measurements stray away from the setpoint by a predetermined value in the 0.5 to 2.5 pH range. A max. dosing time from 1 to 10 minutes can also be set, after which the alarm is activated to warn of an abnormality. The alarm can be configured in either normally-closed or normally-open state. HI 9910 also provides an isolated output signal which is user selectable between 0-20 or 4-20 mA. A dial on the front panel renders manual temperature compensation fast and easy. For automatic compensation, hook up a 3 wire Pt100 to the controller. To speed up wiring, the HI 9910 comes with extractable terminal modules. Once wired up, the compartment containing the connections is protected behind a fire-retardant ABS panel. Several LED's show whether the setpoint or alarm relays are activated from a distance.

### Ordering Information

HI 9910 is supplied complete with instructions.

1= 115 Vac power supply  
2= 230 Vac power supply

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