



Wall Mounted pH Controller with Dual Setpoint and Proportional Dosage

HI 9911 is a pH controller with two setpoints for proportional dosage of acidic and alkaline solutions. Through two sets of coarse and fine trimmers, the setpoints can be accurately fine tuned to any value in the 0.00 to 14.00 range. Likewise, two trimmers on the front panel allow for easy calibration. HI 9911 accepts any pH electrode ending in a BNC connector. The proportional control can be adjusted to match your application through the time cycle from 0 to 90 seconds and the proportional band of 0 to 2 pH. Two pumps or valves can be wired directly to the controller and be powered through the terminals.

HI 9911 provides for two types of alarms. The alarm relay is activated when the measurements are away from the setpoints by more than a predetermined value in the 0.5 to 2.5 pH range. Or alternatively, when one of the two independently adjustable maximum dosing times is exceeded. The alarm can be configured in either normally-closed or normally-open state and turned off during maintenance.

HI 9911 also provides for a user-selectable 0-20 or 4-20 mA isolated recorder output.

You can choose from manual or automatic temperature compensation with an optional 3-wire Pt100 probe.

HI 9911 comes with extractable terminal modules. Once wired, the compartment containing the connections is closed behind a fire-retardant ABS removable panel. As with HI 9910, a ground probe can be hooked up to the controller to eliminate interference.



Specifications

	HI 9911
Range	0.00 to 14.00 pH
Resolution	0.01 pH
Accuracy (@20°C/68°F)	±0.02 pH
Input Impedance	10 ¹² 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	2, 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	2 powered terminals for pH correction (115 or 240 V) Max. 2A, 1,000,000 strokes; acid dosage activated when pH > setpoint; alkaline dosage activated when pH < setpoint
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		

Ordering Information

HI 9911 is supplied complete with instructions.

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

HI 9911-□

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