



Wall Mounted Microprocessor ORP Controllers with Matching Pin

The HI 22 controllers have been engineered with the same outstanding features as the HI 21 meters.

The microprocessor memory is fully programmable and has a 3-month backup power supply.

The Fail Safe Alarm system protects these meters against the pitfalls of process control.

User-selectable timing capability safeguards against overdosing and saves money while protecting the environment.

These instruments have a differential input, extending electrode life by eliminating ground loop current through the reference.

Users can choose between ON/OFF and Proportional control as well as selectable current and voltage outputs.

For more flexibility and better resolution for chart recorders, choose any two points between 0 and 2000 mV to correspond to the analog output spans. RS485 capability makes one model PC compatible.

Wiring the controllers is simple with extractable terminal modules.

A host of self-testing features and user-friendly functions make HI 22 a great value.



Specifications

	HI 22
Range	2000 to 2000 mV; -9.9 to 120°C
Resolution	1 mV; 0.1°C
Accuracy (@20°C/68°F)	±2 mV; ±0.5°C
Input Impedance	10 ¹² Ohm
ORP Calibration	automatic, at 0 and 350 or 1900 mV
Outputs	digital: RS485 bi-directional opto-isolated; or analog, galvanically isolated: 0-1 mA, 0-20 mA and 4-20 mA, 0-5 Vdc, 1-5 Vdc and 0-10 Vdc
Setpoint Relay	contact output SPDT 5A-250 Vac, 5A-30 Vdc (resistive load); fuse: 5A, 250V
Alarm Relay	contact output SPDT 5A-250 Vac, 5A-30 Vdc (resistive load); fuse: 5A, 250V
Power Supply	115 Vac ±10% or 230 Vac ±10%; 50/60 Hz; fuse: 400 mA, 250 V
Power Consumption	15 VA
Environment	0 to 50°C (32 to 122°F); RH max. 85% non-condensing
Protection	IP 54
Dimensions	221 x 181 x 86 mm (8.7 x 7.1 x 3.4")
Weight	1.4 kg (3.1 lb.)

Ordering Information

Each HI 22 model is supplied complete with instructions.

111 = single setpoint, ON/OFF control and analog output
122 = single setpoint, ON/OFF & proportional controls, RS485 port

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

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Accessories

HI 7020L	200-275 mV test solution, 500 mL bottle	HI 7092L	Oxidizing solution, 500 mL bottle
HI 7091L	Reducing solution, 500 mL bottle	HI 8427	pH/ORP electrode simulator
		HI 931001	pH/ORP electrode simulator with display

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