



Microprocessor ORP Controller with Matching Pin



The **mV 600** controllers have been engineered with the same outstanding features as the pH 500 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.

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.

RS232 capability makes two **mV 600** models PC compatible. Wiring the controllers is simple with extractable terminal modules. A host of self-testing features and user-friendly functions make **mV 600** a great value.

Specifications

mV 600	
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: RS232 bi-directional optoisolated; 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)
Power Supply	115 Vac ±10% or 230 Vac ±10%; 50/60 Hz
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	panel cutout: 140 x 140 mm, instrument: 144 x 144 x 170 mm
Weight	1.6 kg (3.5 lb.)

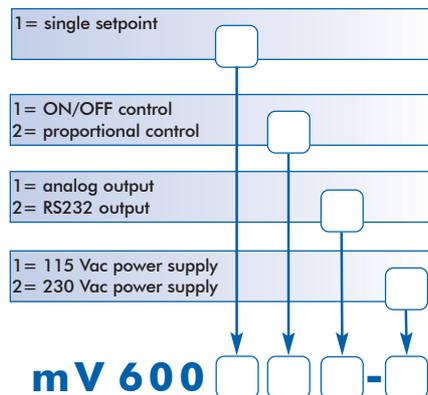
Accessories

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.

Ordering Information

Each **mV 600** model is supplied complete with mounting brackets and instructions.



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Example:

mV 600121-2

ORP controller with single setpoint, proportional control, analog output and 230 Vac power supply.