



AW FLOW METERS

EMO-3000 PID Series Multi Channel Flow Computer



Technical Specifications:

- 1, 2, 3 or 4 Channels available
- Each channel is independent
- Wall mountable NEMA 12 enclosure
- Serial Interface for software
- Parameter storage in EEPROM
- Analog inputs for set point
- Includes I/P Converters
- 110 Volts AC

What is a EMO 3000 PID Multi Channel Flow Computer?

Precise, reliable control of fluid flow in industrial applications can result in significant material savings and a superior end product. But a sophisticated fluid control system can also be extremely complex and difficult to implement. The sales and engineering staff at AW Company has provided easy-to-use, cost-effective systems to the closed-loop fluid control industry for over 20 years. The EMO-3000/PID Controller provides an out-of-the-box flow control solution that allows you to control as many as 4 lines without the need for a PLC or other complicated system integration. The EMO-3000/PID features a micro-processor based controller, rheostat knobs for flow control, I/P converters for control of air pressure and a software package that allows you to control every parameter in the PID loop. The system is able to update the closed-loop control as often as 5 times per second. The EMO-3000/PID comes in a wall-mountable NEMA-12 industrial enclosure that features soft touch interface keys on the controller, setpoint knobs for the flow and switches for flush cycles.

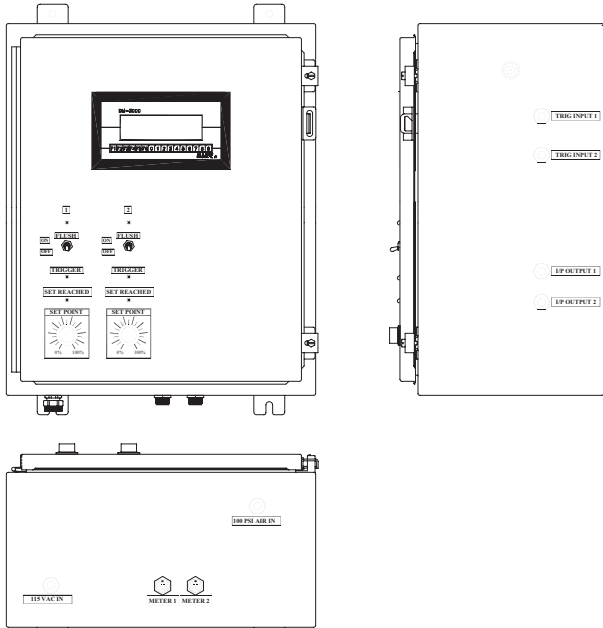


AW FLOW METERS

EMO-3000 PID Series

Multi Channel Flow Computer

PID Technical Data



EMO 3000/1/PID

1 Channel Closed Loop Controller in an enclosure with trigger pressure switch, lights, manual set point knob, manual flush switch, 1 I/P Converter, Heavy Duty Power Supply, Intrinsically Safe Barrier Card and a 2 AMP Fused Power Inlet

EMO 3000/2/PID

2 Channel Closed Loop Controller in an enclosure with trigger pressure switches, lights, manual set point knob, manual flush switches, 2 I/P Converters, Heavy Duty Power Supply, 2 Intrinsically Safe Barrier Cards and 2 AMP Fused Power Inlet

EMO 3000/3/PID

3 Channel Closed Loop Controller in an enclosure with trigger pressure switches, lights, manual set point knob, manual flush switches, 3 I/P Converters, Heavy Duty Power Supply, 3 Intrinsically Safe Barrier Cards and a 2 AMP Fused Power Inlet

EMO 3000/4/PID

4 Channel Closed Loop Controller in an enclosure with trigger pressure switches, lights, manual set point knob, manual flush switches, 4 I/P Converters, Heavy Duty Power Supply, 4 Intrinsically Safe Barrier Cards and 2 AMP Fused Power Inlet

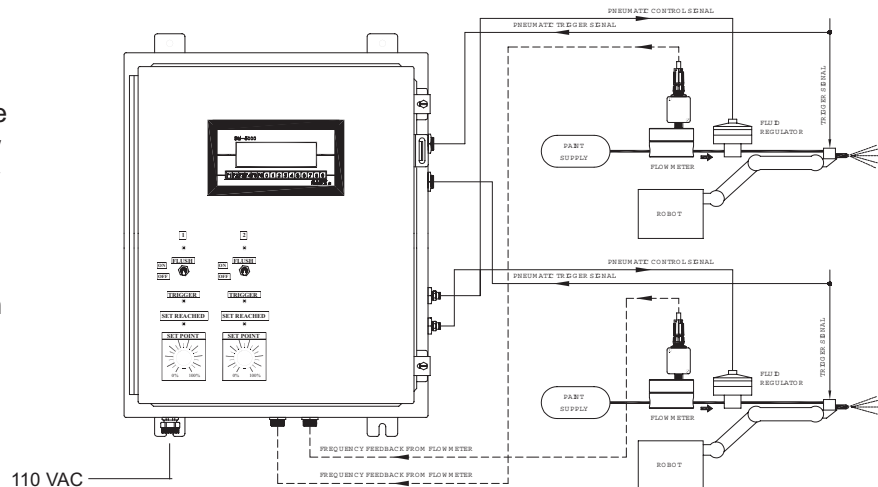
Optional Software Package:

The GR-3000 Flow Control Software will allow the user to upload and download PID parameters directly to the EMO-3000, format color tables and graph flow rates and trigger times.

Typical EMO 3000 PID Application

The diagram at right shows a typical 2 channel closed loop control scheme with the EMO-3000/2/PID. Each flow loop includes a paint supply line, flow meter, fluid regulator and spray gun.

The EMO-3000/2/PID receives a signal from each flow meter and, with its self-contained I/P converter, controls the fluid regulator to precisely and accurately deliver paint, air or other fluid.



Products may be subject to change without notice – Contact factory for current information