

VERSAMETER™

MODULAR ELECTRONIC FLOW MEASUREMENT AND CONTROL DEVICE



Accurate Industrial Flow Measurement

The VersaMeter™ is a fully calibrated electronic flow meter with a built-in flow controller. The VersaMeter™ utilizes field-proven differential pressure flow measurement technology to accurately monitor a most industrial liquids or gases. Actual flow rate is displayed locally and also retransmitted by a scalable 4-20mA output for remote monitoring. In addition, the VersaMeter™ tracks total flow consumption up to 999,999,999,999 engineering units and can communicate over RS232 or RS485 using standard ModbusRTU protocol.

Integrated Flow Controller

The integrated VersaMeter™ flow controller is designed to provide a complete solution for basic flow control applications and also be versatile enough to become a useful component within larger process control systems. The desired flow rate setpoint can be programmed locally using the membrane keypad or remotely through Modbus communications or by using the 4-20mA setpoint input terminals on the control board. The VersaMeter™ flow rate controller provides contact outputs to control motorized, hydraulic, or pneumatic flow control valves.

Atmosphere Engineering also manufactures manual and motorized flow control valves specifically designed for the VersaMeter™. Visit our web site or ask your local representative for more information.

SPECIFICATIONS

Power.....	24 VDC
Scale.....	Specify when Ordering
Turndown.....	10:1
Max Pressure Loss.....	10"wcg STD Model 1 psig HP Models
Max Operating Temp.....	180°F
Max Inlet Pressure.....	5 PSIG STD Model 80 PSIG HP Model 300 PSIG HPX Model
Flow Accuracy.....	4%
Repeatability.....	2%
Flow Output Signal (linear).....	4-20mA
Setpoint Input Signal (linear).....	4-20mA
Communication Port.....	232/485
Protocol.....	ModbusRTU
Valve Contact Type.....	DC Sink (Use 24VDC relays for AC Motors)

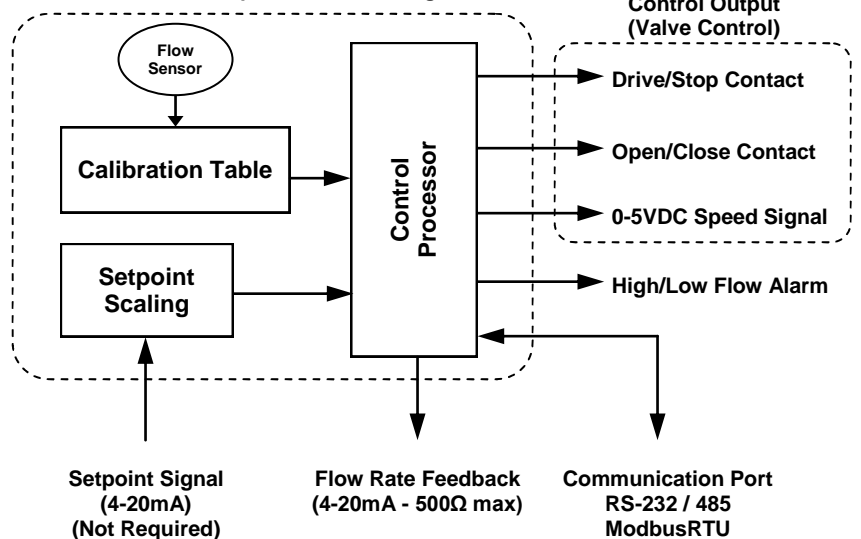
Gas Types

Acetylene, Air, Ammonia (HP Model Only), Argon, Butane, Carbon Dioxide, City Gas, Dissociated Ammonia, Endothermic, Exothermic, Helium, Hydrogen, Low Dew, Methane, Natural Gas, Nitrogen, Oxygen, Propane, LPG, Propylene

Liquid Types (HP Models Only)

Alcohol, Methanol, Oil, Water

VersaMeter™ Simplified Control Diagram



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"INTEGRATED FLOW CONTROL SOLUTIONS"

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