

# ANALOG VERSAMETER™



## CALIBRATED FLOW MEASUREMENT DEVICE

The Analog Inline FurnaceMeter™ is a fully calibrated mechanical flow meter that can be easily piped directly into any pipeline and provide mechanical indication of actual flow rate moving through the meter. The meter can be calibrated for most industrial gases and includes calibration test ports for calibration certification in the field without removal from the pipeline.

### OPTIONS

- Manual Valve (Pictured)
- No-Valve

### SPECIFICATIONS

Power	No power required
Ambient Temperature	32°-150°F
Max Inlet Pressure	30 PSI (Standard) 80 PSI (HP Model)
Flow Accuracy	± 4%
Repeatability	2%
Flow Output Signal (linear)	None
Flow Control Signal (linear)	None
Flow Output Signal	SPDT Relay
Turndown	15-100%

Calibration is referenced to standard atmospheric conditions: (70°F, 14.7 PSIA)

## ACCURATE INDUSTRIAL FLOW MEASUREMENT

The entire VersaMeter™ product line utilizes field-proven calibrated differential pressure measurement technology which contains no moving parts in the flow stream that can cause blockages or large restrictions. The Mechanical VersaMeter™ requires no maintenance and can be easily configured to indicate flow in vertical and horizontal pipelines.

Applications include purge nitrogen flow indication and process flow measurement applications where electronic flow rate feedback signals are not required.

Atmosphere Engineering also manufactures manual and motorized flow control valves specifically designed for the industrial processing environment. Visit our website or ask your local representative for more information.

**“INTEGRATED FLOW CONTROL SOLUTIONS”**

(414)-331-2457 • sales@atmoseng.com • www.atmoseng.com

  
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# ELECTRONIC VERSAMETER™



## 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 industrial processing environment. Visit our web site or ask your local representative for more information.

### OPTIONS

- Electronic Motorized Valve
- Manual Valve (Pictured)
- No Valve

### SPECIFICATIONS

Power	No power required
Ambient Temperature	32°-150°F
Max Inlet Pressure	2 PSI (Standard Model) 40 PSI (HP Model) 250 PSI (HPX Model)
Flow Accuracy	± 4%
Repeatability	2%
Flow Output Signal (linear)	4-20MA or RS-485
Flow Control Signal (linear)	4-20MA or RS-485
Flow Output Signal	SPDT Relay
Turndown	15-100%

\*Calibration is referenced to standard atmospheric conditions: (70°F, 14.7 PSIA)

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# VERSAMETER™ HEADER SYSTEMS



The VersaMeter™ gas control system is a modular assembly that integrates the flow measurement and control devices directly into the system piping. The VersaMeter™ header assembly greatly simplifies piping and requires significantly less space than traditional flow panels. Further, the open frame design is easy to mount and provides convenient access to all flow control components.

## CUSTOM DESIGNED ASSEMBLIES

Our staff of flow control engineers utilize Solidworks™ 3D modeling software to ensure proper fitting and system operation prior to production while our assembly technicians use best piping and wiring practices to provide a completely pre-assembled and tested system ready for installation. In addition, we stock a large supply of solenoids, isolation valves, check valves, pressure switches, regulators, and gauges to provide a completely pre-assembled and tested system ready for installation.

Contact our sales engineers and let us propose a system designed to meet your most demanding requirements.

### OPTIONS

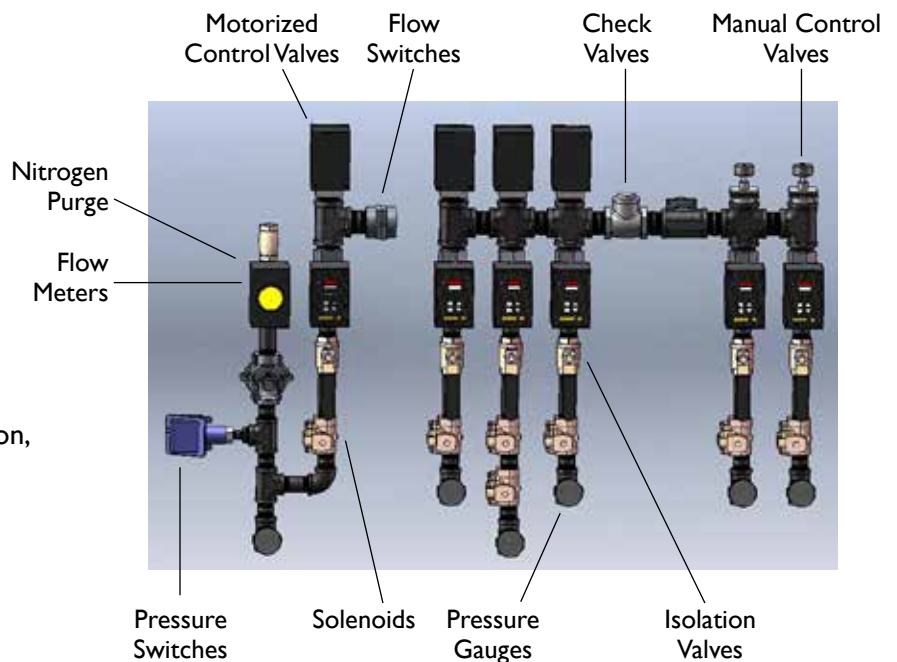
- Manual Flow Control Valves
- Motorized Flow Control Valves
- Integrated Check Valve
- Integrated Flow Switch
- Integrated Pressure Switch
- Integrated Manual Isolation Valve
- Integrated Safety Solenoid (NO or NC)
- Integrated Pressure Gauge
- Integrated Pressure Regulator

### 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

Alcohol, Methanol, Oil, Water



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