Electronic FurnaceMeter™

The FurnaceMeter™ is a precision flow measurement instrument designed specifically to meet the rugged requirements of industrial heat-treatment applications. The Furnace-Meter™ utilizes precision, field-proven, and certifiable differential pressure flow measurement technology. The advanced calibration and display module includes integrated flow rate alarm and Totalization functions. In addition, every FurnaceMeter™ comes complete with a calibration certificate to meet ISO & QS quality systems.

Features & Benefits

- Manual or electronic flow control valve
- Precision flow measurement and control
- NIST Traceable 10 point calibration with every meter
- In-situ calibration certification meets CQI-9 requirements
- Integrated flow alarm (Flow Switch)
- Integrated flow totalizing
- Bright LED flow rate/setpoint display
- Analog control and feedback signals (4-20 mA)
- Serial communications and configuration software
- No fragile sight glass tubes, oil or float assemblies to maintain
- Retrofit existing flow measurement equipment without additional piping

Available Options

- Electronic Valve (Pictured)
- Manual Valve
- 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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Liquid FurnaceMeter™

The Liquid FurnaceMeter™ is a precision flow measurement instrument designed specifically to meet the rugged requirements of industrial heat-treatment applications. The Liquid FurnaceMeter™ utilizes precision, field-proven, and certifiable differential pressure flow measurement technology. The advanced calibration and display module includes integrated flow rate alarm and Totalization functions. In addition, every FurnaceMeter™ comes complete with a calibration certificate to meet ISO & QS quality systems.

Features & Benefits

- Electronic flow control valve
- Precision flow measurement and control
- NIST Traceable 10 point calibration with every meter
- In-situ calibration certification meets CQI-9 requirements
- Integrated flow alarm (Flow Switch)
- Integrated flow totalizing
- Bright LED flow rate/setpoint display
- Analog control and feedback signals (4-20 mA)
- Serial communications and configuration software
- No fragile sight glass tubes, oil or float assemblies to maintain

Specifications

Power	No power required
Ambient temperature	32°-150 °F
Max Inlet Pressure	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)	4-20 MA or RS-485
Flow Output Signal	SPDT Relay
Turndown	15-100%

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

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Complete Flow Control Panels

Custom Flow Measurement and Control Assemblies

Complete Flow Control Panels are designed to provide installation ready assemblies for any process control application. These panels include all process flow control components pre-piped and wired to a NEMA enclosure to reduce installation time. All assemblies include detailed dimension drawings, component documentation, and calibration records.

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 reliable and fully tested system ready for installation. In addition, we stock a large supply of solenoids, isolation valves, check valves, pressure switches, regulators, and gauges to meet the most demanding industrial requirements.

Contact our sales engineers to discuss how our engineers can deliver a panel for your project.

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 Gage
- Integrated Pressure Regulator
- Touch-Screen Interface Software

Gases 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

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