The Series GFM3 & GFM4 Gas Mass Flow Meters are an ideal choice for the measurement of flow rates of a wide variety of gases. Unit can be calibrated for a variety of gases via push-button with 0 to 5 VDC, 0 to 10 VDC or 4 to 20 mA and relay outputs.

FEATURES/BENEFITS
• Multi parameter flow meter supports various functions such as flow totalizer, flow, temperature, and pressure alarms, and is available in a choice of 0 to 5 VDC, 0 to 10 VDC, or 4 to 20 mA output signals
• Set alarms remotely via digital interface for flow, pressure, and temperature to alert user of high or low thresholds being exceeded
• Programmable 12-digit totalizer for total gas volume indication, and is available in a choice of 0 to 5 VDC, 0 to 10 VDC, or 4 to 20 mA output signals
• Standard four button keypad and large 128 x 64 graphical LCD with backlight allows easy access to the many features
• Digital interface operates through available RS-485 or RS-232, providing access to internal data parameters and multi-drop capability of up to 255 units (RS-485 only)
• Set alarms remotely via digital interface for flow to alert user of high or low thresholds being exceeded
• Internal conversion factors for up to 32 gases
• NIST traceable certificate included
• Process equipment
• Operating pumps and valves
• Gas flow control
• Gas flow measurement
• Gas mass flow meter with temperature
• Gas mass flow meter

APPLICATIONS
• Flow gas measurement
• Flow gas control
• Operating pumps and valves
• Process equipment
• Vacuum processes
• Glass and metal coating
• Film deposition

SPECIFICATIONS
Service: Clean gases compatible with wetted parts.
Wetted Materials: 316 SS, 416 SS; Fluoroelastomer, Buna-N, EPR or PTFE
O-rings
Accuracy: ±1% FS.
Repeatability: ±0.25% FS.
Response Time: 0.6 to 1.0 s to within ±2% of setpoint over 20 to 100% FS.
Output Signal: Linear 0 to 5 VDC (3000 Ω min. load impedance); 0 to 10 VDC (6000 Ω min. load impedance); 4 to 20 mA (500 Ω max. loop resistance).
Relay Rating: 1 A @ 24 VDC.
Max. Particulate Size: 5 microns.
Temperature Limits: Ambient: 32 to 122°F (0 to 50°C); Dry Gases: 14 to 122°F (-10 to 50°C).
Power Supply: 12 VDC; 15 VDC; ±24 VDC.
Process Connections: 1/8˝ compression fitting for flow rates ≤ 10 L/min; 1/4˝ for ≤ 50 L/min; 3/8˝ for ≤ 100 L/min.
Pressure Limits: 500 psia (35 bar).
Leak Integrity: 1 x 10⁻⁹ smlj/sec of helium.
Display: 128 x 64 graphic LCD with backlight.
Weight: 1 lb (.45 kg).

MODEL CHART
Example GFM3-AIR-GFM4
Series GFM3 GFM4
GAS MASS FLOW METERS
Flow Monitoring, Push-Button Configuration

A-110N12
110 VAC power supply. 12 VDC standard interface
A-110N24
110 VAC power supply. 24 VDC standard interface
A-110N15
110 VAC power supply. 15 VDC standard interface

ACCESSORIES
Model Description
A-110N12 110 VAC power supply, 12 VDC standard interface
A-110N24 110 VAC power supply, 24 VDC standard interface
A-110N15 110 VAC power supply, 15 VDC standard interface