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 the 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)
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• 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
• Automatic zero adjustment
• Self-diagnostic tests

APPLICATIONS
• Gas flow measurement
• Gas flow 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; Fluorocelastomer, 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. load 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: 1/4” compression fitting for flow rates ≤ 10 L/min; 1/2” for ≤ 50 L/min; 3/4” for ≤ 100 L/min.
Pressure Limits: 500 psia (35 bar).
Leak Integrity: 1 x 10⁻⁶ smL/sec of helium.
Display: 128 x 64 graphic LCD with backlight.
Weight: 1 lb (.45 kg).

MODEL CHART

<table>
<thead>
<tr>
<th>Example</th>
<th>GFM3</th>
<th>-AIR</th>
<th>-010</th>
<th>-5</th>
<th>-E</th>
<th>-B</th>
<th>-L</th>
<th>-B</th>
<th>-C</th>
<th>-2</th>
<th>GFM3-AIR</th>
<th>-010</th>
<th>-S-E-B-L-B-C-2</th>
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<tbody>
<tr>
<td>Body Size</td>
<td>010</td>
<td>050</td>
<td>100</td>
<td>Low flow</td>
<td>Medium flow</td>
<td>High flow</td>
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<tr>
<td>Power Supply</td>
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<td>2</td>
<td>4</td>
<td>±15 VDC</td>
<td>12 VDC</td>
<td>24 VDC</td>
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<td>Fittings</td>
<td>V</td>
<td>B</td>
<td>E</td>
<td>T</td>
<td>Fluorocelastomer</td>
<td>Buna-N</td>
<td>EPR</td>
<td>PTFE</td>
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<td>Display</td>
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<td>LED display</td>
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<tr>
<td>Flow Output Signal</td>
<td>A</td>
<td>B</td>
<td>G</td>
<td>0 to 5 VDC</td>
<td>4 to 20 mA</td>
<td>0 to 10 VDC</td>
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<tr>
<td>Temperature &amp; Pressure Output Signal</td>
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<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>F</td>
<td>G</td>
<td>H</td>
<td>I</td>
<td>J</td>
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<td>N/A</td>
<td>0 to 5 VDC/0 to 5 VDC</td>
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<td>RS485</td>
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Note: Specify flow range at time of order.