**Series GFM Gas Mass Flow Meters** combine a straight tube sensor with a restrictor flow element to provide high accuracy and repeatability. Flow rates are virtually unaffected by temperature and pressure variations. Actual gas flow is displayed in engineering units on a 3-digit, 90° tiltable LCD readout. Units can be used with Series GFT Flow Totalizer for applications requiring totalization. Series GFM includes a NIST traceable certificate.

### Specifications
- **Service:** Clean gases compatible with wetted parts.
- **Wetted Materials:**
  - GFM-1XXX: Anodized aluminum, brass, 316 SS and fluoroelastomer O-rings;
  - GFM-2XXX: 316 SS and fluoroelastomer O-rings.
- **Accuracy:** ±1.5% FS including linearity over 59 to 77°F (5 to 25°C) and 5 to 60 psia (0.35 to 4 bar).
- **Repeatability:** ±0.5% of full scale.
- **Response Time:** 2 seconds to within ±2% of actual flow.
- **Output:** Linear 0-5 VDC and 4-20 mA.
- **Max. Particulate Size:** 5 microns.
- **Temperature Limits:** 32 to 122°F (0 to 50°C).
- **Power Supply:** ±12 VDC.
- **Process Connections:** 1/4" compression fitting for flow rates ≤50 L/m; 3/8" for 100 and 200 L/m; 1/2" for 500 L/m; 3/4" for 1000 L/m.
- **Pressure Limits:** 350 psig (24 bar).
- **Leak Integrity:** 1 x 10⁻⁷ scccs of helium.
- **Display:** 90° tiltable, 3-1/2 digit.
- **Agency Approvals:** CE.

### Accessories
- **For Series GFM Gas Mass Flowmeters**
  - Model GFM-110P, 110V Power Supply.......................... $50.00
  - Model GFM-220PE, 220V Power Supply.......................... $73.00
  - Model GFM-CBL4, 3 ft cable for 4-20 mA output............. $35.25
  - Model GFM-CBL5, 5 ft cable for 0-5 VDC output............. $35.25
  - Model IO-1, 0-5 VDC to RS232 Input to Output Signal Conditioner........... $277.00
  - GFT-10, Flow Totalizer with 5-10 VDC input for direct connection to GFM and GFC (replaces GFM/GFC LCD Process display).................. $244.00
  - GFT-10C, Connection Cable for utilizing GFT-10 totalizer in conjunction with GFM/GFC LCD process display.......................... $23.25

* Specified flow ranges are for an equivalent flow of nitrogen at 70°F (21°C) @ 760 mm Hg.
* Items are net priced and are not subject to any discount.

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**Table of Flow Rates and Materials**

<table>
<thead>
<tr>
<th>Flow Rate</th>
<th>Model</th>
<th>Material</th>
<th>Process Connector</th>
<th>Compression Fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10 mL/m</td>
<td>GFM-1101*</td>
<td>$617.00</td>
<td>GFM-2101</td>
<td>1/4</td>
</tr>
<tr>
<td>0-20 mL/m</td>
<td>GFM-1102*</td>
<td>$617.00</td>
<td>GFM-2102</td>
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<td>0-50 mL/m</td>
<td>GFM-1103*</td>
<td>$617.00</td>
<td>GFM-2103</td>
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<tr>
<td>0-100 mL/m</td>
<td>GFM-1104*</td>
<td>$617.00</td>
<td>GFM-2104</td>
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<tr>
<td>0-200 mL/m</td>
<td>GFM-1105*</td>
<td>$617.00</td>
<td>GFM-2105</td>
<td>1/4</td>
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<tr>
<td>0-500 mL/m</td>
<td>GFM-1106*</td>
<td>$617.00</td>
<td>GFM-2106</td>
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<tr>
<td>1-1000 mL/m</td>
<td>GFM-1107*</td>
<td>$617.00</td>
<td>GFM-2107</td>
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<td>0-2 L/min</td>
<td>GFM-1108*</td>
<td>$617.00</td>
<td>GFM-2108</td>
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<td>0-5 L/min</td>
<td>GFM-1109*</td>
<td>$617.00</td>
<td>GFM-2109</td>
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<td>0-15 L/min</td>
<td>GFM-1110*</td>
<td>$617.00</td>
<td>GFM-2110</td>
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<td>0-30 L/min</td>
<td>GFM-1131*</td>
<td>$789.00</td>
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<tr>
<td>0-50 L/min</td>
<td>GFM-1132*</td>
<td>$789.00</td>
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<td>0-100 L/min</td>
<td>GFM-1142*</td>
<td>$969.00</td>
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<tr>
<td>0-200 L/min</td>
<td>GFM-1143*</td>
<td>$1173.00</td>
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<td>0-500 L/min</td>
<td>GFM-1144*</td>
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<td>1-1000 L/min</td>
<td>GFM-1145*</td>
<td>$1406.00</td>
<td>GFM-2145</td>
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</tbody>
</table>

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**COMBINATION & INSTALLATION**

- Combine a straight tube sensor with a restrictor for Series GFM Gas Mass Flowmeters.
- Process Connector: 1/4˝
- Pressure Limits: Maximum 500 psi/3400 KPa
- Temperature Limits: 35.25 °F to 122°F (0 to 50°C)
- Output: 4-20 mA, 0-5 VDC
- Power Supply: ±12 VDC
- Agency Approvals: CE

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**CALL TO ORDER:**
- U.S. Phone 219 879-8000
- U.K. Phone (+44) (0)1494-461707
- Australia Phone (+61) (0) 2 4272 2055

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**CE**

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**FLOW**

**Mass Flowmeters/Controllers**

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