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.

**Series GFM Gas Mass Flow Meters**
- Flow Range: Up to 1000 L/min, Pressures Up to 500 psi, NIST Traceable

### 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/min;
  - 3/4˝ for 1000 L/min.
- **Pressure Limits:** 500 psig (34.5 bar).
- **Leak Integrity:** 1 x 10^{-7} sccs 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
  - **Model GFM-220PE,** 220V Power Supply
  - **Model GFM-CBL4,** 3 ft cable for 4-20 mA output
  - **Model GFM-CBL5,** 3 ft cable for 0-5 VDC output
  - **Model IO-1,** 0-5 VDC to RS232 Input to Output Signal Conditioner
  - **GFT-10,** Flow Totalizer with 5-10 VDC input for direct connection to GFM and GFC (replaces GFM/GFC LCD Process display)
  - **GFT-10C,** Connection Cable for utilizing GFT-10 totalizer in conjunction with GFM/GFC LCD process display

*Specified flow ranges are for an equivalent flow of nitrogen at 70°F (21°C) @ 760 mm Hg.*