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% FS including linearity over 59 to 77°F (5 to 25°C) and 5 to 60 psia (0.34 to 4 bar); Series X143, X144, X145, ±1.5% FS.

**Repeatability:** ±0.25% of FS.

**Response Time:** 2 s to within ±2% of actual flow.

**Output:** Linear 0 to 5 VDC and 4 to 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:** 1000 psig (68.9 bar); Series GFM-X143, X144, X145, 500 psig (34.5 bar).

**Leak Integrity:** 1 x 10⁻⁹ scs of He.

**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’ cable for 4 to 20 mA output
- Model GFM-CBL5, 3’ cable for 0 to 5 VDC output

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