The SERIES GFM2 Gas Mass Flow Meters is an ideal choice for the measurement of flow rates of a wide variety of gases. Unit can be calibrated for a variety of gases with user selectable 0 to 5 VDC or 4 to 20 mA and two relay outputs and programmable K-factors along with two user-programmable electromechanical SPDT relays with latch options. User-friendly interface allows for the programming of high and low gas flow alarms, capability of up to 256 units (RS-485 only). Digital RS-232 or RS-485 interfaces allow for easy communication and for multi-drop character LCD display with internal conversion factors for up to 32 gases. Gas flow can be displayed in 23 different engineering units on an optional 2x16 LED display. Accuracy: ±1% FS. Repeatability: ±0.25% FS. Response Time: 2 seconds to within ±2% of actual flow. Output Signal: Linear 0 to 5 VDC (3000 Ω min. load impedance) and 4 to 20 mA (500 Ω max. loop resistance). Relay Rating: 1 A @ 24 VDC. Max. Particulate Size: 5 microns. Temperature Limits: 32 to 122°F (0 to 50°C). Power Supply: 11 to 26 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. Display: 2 x 16 character LCD (optional). Pressure Limits: 500 psig (34.5 bar). Leak Integrity: 5 microns. Relay Rating: 1 A @ 24 VDC. Head Integrity: 1.05 lb (0.48 kg).

**SPECIFICATIONS**

**Service:** Clean gases compatible with wetted parts.

**Wetted Materials:** GFM2-X-X-A: Anodized aluminum, brass, 316 SS fluoroelastomer O-rings; GFM2-X-X-S: 316 SS, and fluoroelastomer O-rings; Buna-N, EPR and PTFE O-rings optional.

**Accuracy:** ±1% FS.

**K-factors:** Stores calibration information for up to 10 different gases, internal or user-specific.

**Gas Flowmeters/Controllers**

**APPLICATIONS**

- Gas flow measurement
- Gas flow control
- Operating pumps and valves
- Process equipment
- Vacuum processes
- Glass and metal coating
- Film deposition