



Gas Mass Flow Meter

±1% FS, Programmable Relays

Models Select Chart

EXAMPLE	GFM2	AIR	010	A	B	A	L	A	2	Series GFM2-AIR-010-A-B-A-L-A-2, Gas Mass Flow Meter
SERIES	GFM2									GFM2 Gas Mass Flow Meter
SPECIALTY GAS K FACTOR AND DESIRED GAS		AIR AR C2H2 C3H8 C4H10 CH4 CO CO2 HE HF H2 N2 NH3 O2 SO2								1.0000 Air 1.4573 Argon 0.5839 Acetylene 0.3500 Propane 0.2631 Butane 0.7175 Methane 1.0000 Carbon Monoxide 0.7382 Carbon Dioxide 1.4540 Helium 0.9998 Hydrogen Fluoride 1.0106 Hydrogen 1.0000 Nitrogen 0.7310 Ammonia 0.9926 Oxygen 0.6900 Sulfur Dioxide
BODY SIZE			010 050 100							Low Flow Medium Flow High Flow
BODY MATERIAL				A S						Aluminum Stainless Steel
SEAL MATERIAL					B E T V					Buna-N EPR PTFE Fluoroelastomer
FITTINGS					A B D					1/4" Compression (low) 1/8" Compression (medium) 3/8" Compression (high)
DISPLAY							L N			LCD Display No Display
OUTPUT SIGNAL								A B		0-5 VDC 4-20 mA
DIGITAL INTERFACE									2 5 9	RS232 RS485 Profibus

Accessories

Model	Description
A-110NA12	110 VAC Power supply, 12 VDC with communication interface branch.

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	: $\pm 1\%$ FS.
Repeatability	: $\pm 0.25\%$ FS.
Response Time	: 2 seconds to within $\pm 2\%$ 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	: 1×10^{-9} smL/sec of helium.
Weight	: 1.05 lb (0.48 kg).