STAINLESS STEEL GAS MASS FLOWMETERS AND CONTROLLERS

For Clean Gases

FMA2800 Series Starts at

$693

MADE IN USA | 1 YEAR WARRANTY | NIST | RoHS

✔ **Economical**
✔ **Compact and Lightweight**
✔ **Power Supply Included**

The FMA2700/FMA2800 Series electronic mass flowmeters and FMA3700/FMA3800 mass flow controllers provide high performance and versatility. OMEGA's new in-line series features a "flow-through" zero dead space design for quicker processing and lower contamination. Available with onboard display and wall-mounted power supply, the in-line series is ideal for laboratory and test applications. Compact, lightweight, and economical, the FMA2700/FMA2800 Series electronic mass flowmeters and FMA3700/FMA3800 mass flow controllers are perfect for applications that require an all stainless steel construction.

SPECIFICATIONS

Accuracy: ±1% of full scale including linearity
Repeatability: ±0.15% full scale or better
Turndown Ratio: 100:1
Response Time: 5 seconds
Gas Ambient Temperature: 0 to 50°C (32 to 122°F)
Temperature Coefficient: 0.05% full scale per 1°C or better
Pressure Coefficient: 0.01% full scale per psi or better
Minimum Pressure Requirements:
  Meters: 1 inch of H_2O
  Controllers Up to 1 SLM: 1 psi
  Controllers Greater Than 20 SLM: 20 psi
  Differential Pressure for Mass Flow Controllers: <5 SLM, 5 to 50 psi standard; >5 SLM, 20 to 40 psi standard
Maximum Gas Pressure: 500 psig
Leak Integrity: 1 x 10^{-6} cc/min of He or better
Wetted Parts: 316 and 17-4 SS with FKM O-rings
Gas Connections: ¼" compression fitting
Electrical Connection: 9-pin sub-D connector
Control Signal: Integral or 0 to 5 Vdc

FMA3801, without display, $893, shown smaller than actual size.

FMA3701, with display, $993, shown smaller than actual size.

65.0

Control Valve: Electromagnetic, normally closed
Output Signal: Linear 0 to 5 Vdc, 1000 Ω min load, 4 to 20 mA, 500 Ω loop resistance
Input Power:
  Meters: 24 Vdc @ 150 mA, 115 Vac, 220 Vac with AC adaptor
  Controller: 24 Vdc @ 300 mA, 115 Vac, 220 Vac with AC adaptor

Dimensions: 152.4 H x 83.5 W x 25.4 mm D (6.00 x 3.29 x 1.00")
Weight: 1.57 kg (1.25 lb) with power supply

☐ *MOST POPULAR MODELS HIGHLIGHTED!*

To Order *(Specify Model Number)*

Mass Gas Flowmeters w/Display		Mass Gas Flowmeters w/o Display		Controller w/Display		Controller w/o Display		
Model No.	Price	Model No.	Price	Model No.	Price	Model No.	Price	Max Flow
FMA2701	$793	FMA2801	$693	FMA3701	$993	FMA3801	$893	10 SCCM
FMA2702	793	FMA2802	693	FMA3702	993	FMA3802	893	20 SCCM
FMA2703	793	FMA2803	693	FMA3703	993	FMA3803	893	50 SCCM
FMA2704	793	FMA2804	693	FMA3704	993	FMA3804	893	100 SCCM
FMA2705	793	FMA2805	693	FMA3705	993	FMA3805	893	200 SCCM
FMA2706	793	FMA2806	693	FMA3706	993	FMA3806	893	500 SCCM
FMA2707	793	FMA2807	693	FMA3707	993	FMA3807	893	1 SLM
FMA2708	793	FMA2808	693	FMA3708	993	FMA3808	893	2 SLM
FMA2709	793	FMA2809	693	FMA3709	993	FMA3809	893	5 SLM
FMA2710	793	FMA2810	693	FMA3710	993	FMA3810	893	10 SLM
FMA2711	793	FMA2811	693	FMA3711	993	FMA3811	893	15 SLM
FMA2712	793	FMA2812	693	FMA3712	993	FMA3812	893	20 SLM

Accessories

Model No.	Price	Description
FMA-200PWA	$80	Replacement socket plug-in power supply for 90 to 260 Vac
GE-1400	110	Reference Book: Flow Measurement

Comes complete with operator's manual, 9-pin sub-D connector, power supply and NIST calibration (no data points).

*For 5-point NIST calibration certificate, add suffix **"-NIST5"** to model number, no additional charge.*
*For 10-point NIST calibration certificate, add suffix **"-NIST10"** to model number and **$125** to price.*
Ordering Examples: FMA2712,** 20 SLM max mass flowmeter, **$793.
FMA3704,** 100 SCCM max mass flow controller, **$993.

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Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters