

OMEGA® MULTIPLE-CHANNEL INDICATORS AND CONTROLLERS

With Built-In Power Supply

FMA-5800A
Starts at

\$2103



FMA-5876A, \$2103, shown smaller than actual size.

- ✓ **Compatible with FMA-8500 Series Mass Flow Sensors**
- ✓ **Compatible with FMA-7000E Mass Flow Controllers**
- ✓ **Accurate Performance**
- ✓ **Easy-to-Read LED Indicator**
- ✓ **Independent or Slave Operation**
- ✓ **Anodized Aluminum Housing for Tabletop**
- ✓ **0 to 5 V Linear Output for Each Channel**

OMEGA's FMA-5800A Series electronics packages have been designed to power, control, and indicate flow rates when used with the flow transducers shown on pages D-31 and D-35. They have a ± 15 Vdc power supply, 4-digit LED mass flow rate indicator, channel selector switch, power on/off switch, power cord, and an electrical connector for the output hook-ups of the electronics. The FMA-5876A works with up to 2 mass flow meters or controllers, and the FMA-5878A works with up to 4 units. The flow rate display is field programmable for engineering units. Other features include membrane pushbutton control for setpoint, blending, valve override, and local/remote control. The blend mode

permits flow rate control of the ratio for the master channel (channel 1) to slave channels by use of a setpoint potentiometer. Any ratio of the master channel from 0 to 100% can be established and maintained for any slave channel, regardless of change in the flow rate. This allows accurate automatic blending of up to four gases. Cabling with connectors for the transducers and the electronics are supplied separately. All FMA-5800A Series indicators include a 0 to 5 V linear output for each channel for chart recording, data logging, and data acquisition. The FMA-5876A has a 2-line, 20-character display, while the FMA-5878A has a 4-line, 20-character display. Both displays are backlit.

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SPECIFICATIONS

Power Input Standard:

90 to 135 Vac @ 60 Hz

Optional: 190 to 260 Vac @ 50 Hz

Power Consumption: 60 Watts max.

Signal Input: 0 to 5 Vdc from sensor

Signal Output:

0 to 5 Vdc linear to flowrate

Temperature: 0 to 50°C

(32 to 122°F) ambient

Housing Materials:

Anodized aluminum, tabletop

Dimensions: 132 H x 221 W x
231 mm D (5.2 x 8.7 x 9.1")



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
FMA-5876A	\$2103	Dual-channel power supply and control unit for FMA-7000E and FMA-8500
FMA-5878A	2439	4-channel power supply, readout, and control unit for FMA-7000E and FMA-8500

Unit comes with complete operator's manual. 110 Vac standard. 220 Vac optional at no additional charge; add suffix "-220V".

Ordering Examples: FMA-5878A, 4-channel controller, \$2439. FMA-5876A, 2-channel controller and FMA-8C50, 15 m (50') cabling with attached connectors, \$2103 + 141 = \$2244.

Connecting Cable

Cable No.*	Price	Cable No.**	Price	Length	Description
FMA-7EC5	\$109	FMA-8C5	\$109	1.5 m (5')	Cabling with attached connectors for transducer hookup to FMA-5800A Series electronics packages
FMA-7EC10	120	FMA-8C10	120	3.0 m (10')	
FMA-7EC25	131	FMA-8C25	131	7.6 m (25')	
FMA-7EC50	141	FMA-8C50	141	15 m (50')	

* for FMA-7000E

** for FMA-8500 Sensor

Accessory

Model No.	Price	Description
ME-1851	\$140	Reference Book: Fundamentals of Gas Dynamics





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• Flow and Level

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