

LOW-FLOW MAGNETIC FLOWMETER

FMG201 Series
Starts at

\$980



- ✓ Variety of Outputs
- ✓ Continuous Flow Signal
- ✓ Relay Alarm Outputs
- ✓ Rate and Total

The FMG201 Series comprises small, plastic-bodied electromagnetic flowmeters capable of measuring the pulsating flows from air and solenoid-driven metering pumps. They are designed for use with electrically conductive chemicals and fluids of varying viscosities. In addition to measuring and displaying flow rate and total flow, they have a variety of outputs. For continuous transmission of a flow signal, available outputs are 4 to 20 mA, 0 to 5V, and a frequency signal proportional to flow. Relay alarm outputs are for low and high flows with user-set flow levels.

Important Note: For proper operation, one or both of the ground lugs must be well connected with 10-24 UNC screws to a good earth ground.

SPECIFICATIONS

Accuracy:

- ±1% of Reading: Above 10% FS
- ±3% of Reading: Below 10% FS

Maximum Fluid Temperature:

85°C (185°F)

Maximum Pressure:

10.3 bar (150 psi) @ 24°C (75°F)



Each unit includes sensing element and control housing

Wetted Materials:

- Body:** PVDF
- Electrodes:** Platinum-coated titanium
- Internal Seals:** FKM
- Housings (Primary Element):** Fusion-coated aluminum
- FMG200-DC:** PVDF
- Control/Display:** Polycarbonate
- Connection:** 3/8" or 1/2" MNPT
- Mounting Holes:** 4 holes, 0.218" Dia.
- DIMENSIONS**
- Housing:** 125 H x 125 W x 74 mm D (4.93 x 4.93 x 2.92")
- Flow Sensor:** 112 H x 95 W x 89 mm D (4.4 x 3.75 x 3.5")

Cables (Controller to Sensor):

- 1.8 m (6') standard, 6 m (20') optional
- Power:** 115 Vac, 60 Hz
- Display:** Backlit LCD (2 lines of 16 characters)
- Fuse (Included):** 0.25 A, 5 x 20 mm
- Minimum Conductivity:** 20 µS
- Outputs:** 4 to 20 mA (24 Vdc required), 0 to 5 V (both isolated); frequency to 9999 pulses per gallon; isolated 10 mH, 30 Vdc; high alarm, low alarm relay (6.25% hysteresis), isolated (100 mA, 110 Vac/Vdc)

FMG203-NPT, \$1380, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)										
Model No.	Price	MNPT	Through Hole	Nominal Full Scale		Min for 1% Accuracy		Low-Flow Cutoff		Display
				LPM	GPM	LPM	GPM	LPM	GPM	
FMG201-NPT	1380	3/8"	1/4"	3.8	1	0.38	0.1	0.04	0.01	Yes
FMG210-NPT	980	3/8"	1/4"	3.8	1	0.38	0.1	0.04	0.01	No
FMG202-NPT	1380	3/8"	3/8"	11	3	1.14	0.3	0.08	0.02	Yes
FMG220-NPT	980	3/8"	3/8"	11	3	1.14	0.3	0.08	0.02	No
FMG203-NPT	1380	1/2"	1/2"	38	10	3.8	1	0.15	0.04	Yes
FMG230-NPT	980	1/2"	1/2"	38	10	3.8	1	0.15	0.04	No

Comes complete with operator's manual, bracket and power cord.
For barb fittings, replace "-NPT" with "-BRB", no additional charge.
For units with 6 m (20') sensor cable, add "-20FT" to the model number and \$75 to price.
Ordering Examples: FMG201-NPT, 0.01 to 1 GPM magmeter with display, \$1380.
FMG220-NPT, 0.02 to 3 GPM magmeter without display, \$980.

Recommended Reference Book:
Magnetic Flowmeter Guide, FW-202, \$250.
See Section Y for Additional Books.

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