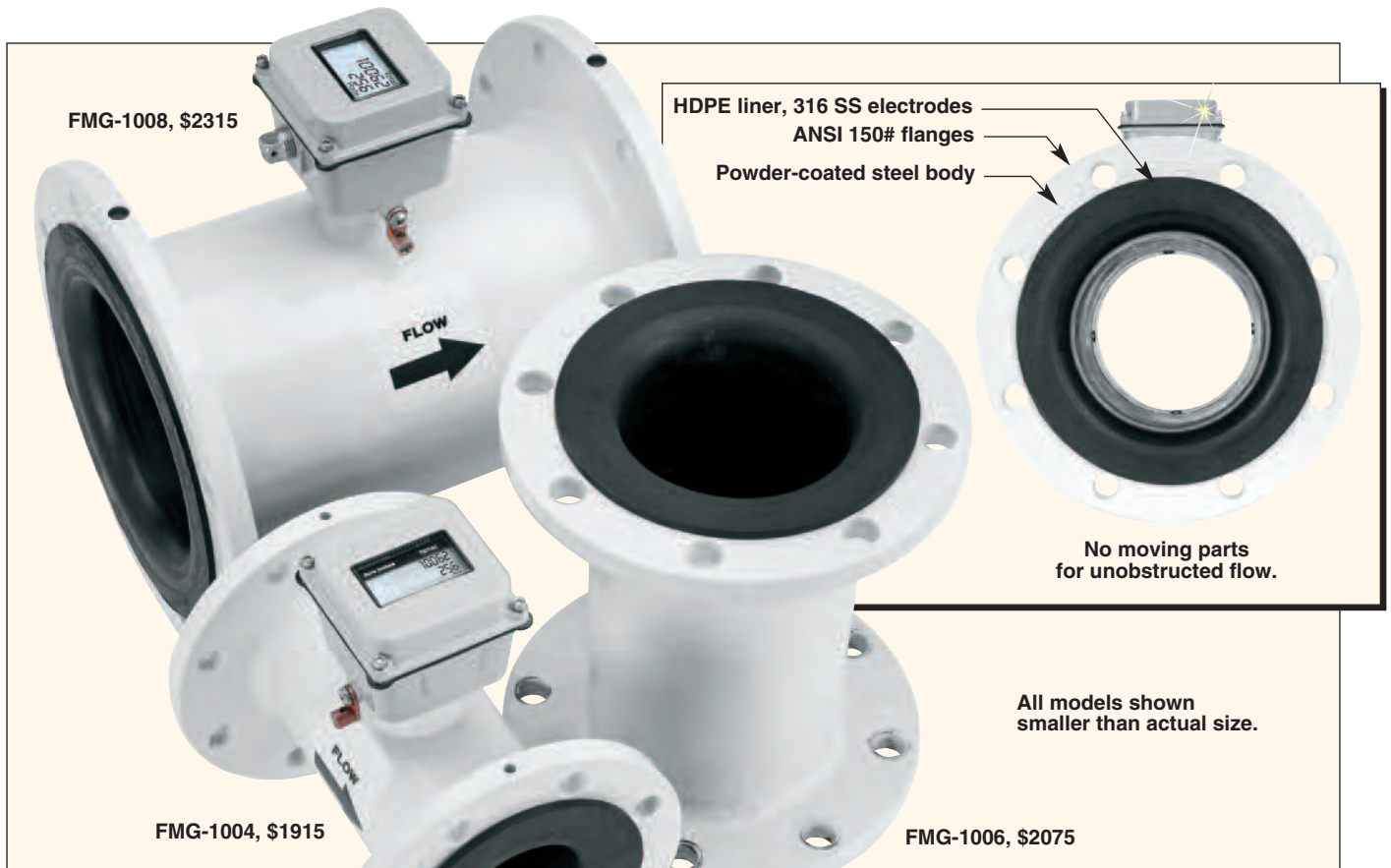


MUNICIPAL/INDUSTRIAL MAGMETER



FMG-1008, \$2315

HDPE liner, 316 SS electrodes
ANSI 150# flanges
Powder-coated steel body

No moving parts
for unobstructed flow.

All models shown
smaller than actual size.

FMG-1004, \$1915

FMG-1006, \$2075

FMG-1000 Series
Starts at

\$1915



- ✓ Simple and Economical as a Mechanical Meter
- ✓ No Moving Parts
- ✓ Built-In Pulse Output
- ✓ Minimal Straight Pipe Required
- ✓ Solar Power and Data Logger Available
- ✓ Built-In Pulse Output for Data Logging or Telemetry

The FMG-1000 Series comprises flanged electromagnetic flowmeters for use in municipal or industrial water and wastewater applications in which propeller meters have typically been used in the past. With no moving parts and electrodes designed to discourage fouling,

the FMG-1000 magmeters require much less frequent maintenance in applications in which debris or sand would impede propeller meters. There is no rotor to stop turning or bearings to wear out. Minimal straight-pipe requirements allow use of FMG-1000 Series meters in piping configurations involving little space between the meter and an elbow.

The FMG-1000 works off 12 to 24 Vdc power. Low power requirements also make it ideal for solar and comparable power sources. Rate and total indication is standard, as is a solid state pulse output, which allows connection to a data logger.

The FMG-1000-MAW pulse-to-analog converter can be added if a 4 to 20 mA signal is needed. A shielded power/pulse output cable with DIN connection is included with the meter. The display housing is fitted with tamper-evident features.

SPECIFICATIONS

Pipe Sizes:

10, 15, 20, 25 cm (4, 6, 8, 10")

Flanges: ANSI 150#

Pressure: 150 psi

Temperature Range:

-12 to 54°C (10 to 130°F)

Accuracy:

±1% at 100% to 10% of reading;

±2% at 10% of reading to cut off

Materials:

Body: Welded steel, epoxy powder coated

Liner: HDPE

Electronics Housing:

Die-cast aluminum, powder coated

Electrodes: 316 SS

Rate Display:

Digits: 5

Units: Gallons/minute, million

gallons/day, liters/second,

cubic feet/minute

Total Display:

Digits: 8

Units: Gallons x 1000, cubic feet,

cubic meters, megaliters

Power: 12 to 24 Vdc, 30 mA

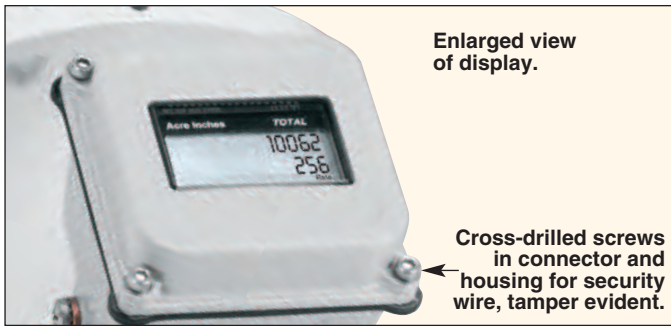
Output Signal: Current sinking pulse, opto-isolated, 24 Vdc, 10 mA max

Empty Pipe Detection:

Hardware/software, conductivity-based

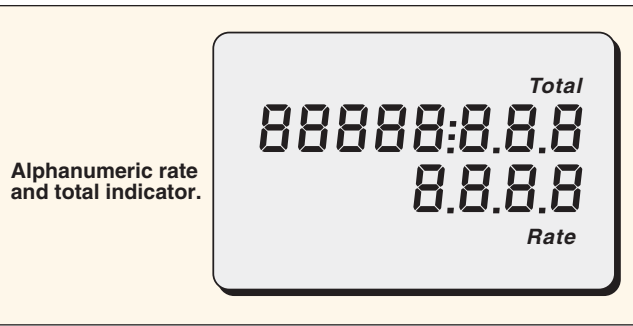
Environmental: NEMA 4 (IP65)

standard



Enlarged view of display.

Cross-drilled screws in connector and housing for security wire, tamper evident.



Alphanumeric rate and total indicator.

Solar Power Kit

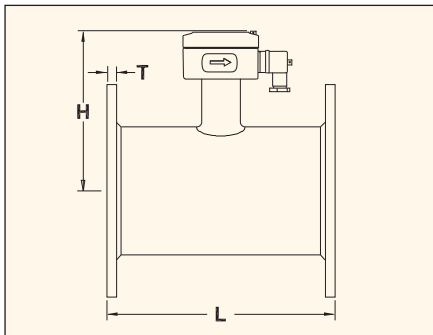
The optional FMG-1000-SK solar panel can provide up to 5 W (15V, 330 mA) power for the FMG-1000 magmeters, for remote metering applications where electricity is either unavailable for impractical. It can also provide a backup power supply for uninterrupted operation. Designed for use with a standard 12V 50, Ah deep cycle battery (user

supplied), the FMG-1000-SK can provide up to a 90 day power supply backup (not shown).

Data Logger Option

The OM-CP-PULSE101A data logger is battery powered and can record up to 1 years worth of data (sampling rates from 15 sec to 24 days). When used with the OM-CP-IFC200 software (sold separately) the OM-CP-PULSE101A retrieves your data for storage, viewing and analysis in several formats. The data logger senses and records the number of pulses/contact closures that occur within the selectable time period. The real time clock ensures all data is time and date stamped. The software converts your PC into a real time

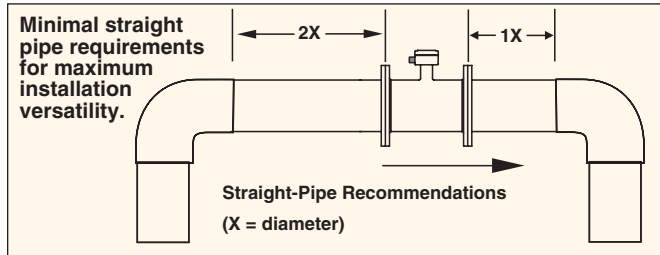
strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.



| Meter Size | L mm (in) | H mm (in) | T mm (in) | Weight kg (lb) |
|------------|-------------|------------|-------------|----------------|
| 4" | 260 (10.24) | 178 (7.0) | 20.9 (0.62) | 14.5 (32) |
| 6" | 312 (12.27) | 206 (8) | 23.3 (0.69) | 21.3 (47) |
| 8" | 362 (14.24) | 231 (9.1) | 23.3 (0.69) | 32.2 (71) |
| 10" | 462 (18.18) | 257 (10.1) | 23.3 (0.69) | 43.1 (95) |



OM-CP-IFC200, \$129, Windows software displays data in graphical or tabular format.



Minimal straight pipe requirements for maximum installation versatility.

Straight-Pipe Recommendations (X = diameter)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

| Model No. | Price | Min GPM | Max GPM | Size: cm (in) | Description |
|-----------|--------|---------|---------|---------------|---------------------------------------|
| FMG-1004 | \$1915 | 12 | 500 | 10 (4) | 4" flanged electromagnetic flowmeter |
| FMG-1006 | 2075 | 32 | 1200 | 15 (6) | 6" flanged electromagnetic flowmeter |
| FMG-1008 | 2315 | 60 | 2200 | 20 (8) | 8" flanged electromagnetic flowmeter |
| FMG-1010 | 2680 | 95 | 3500 | 25 (10) | 10" flanged electromagnetic flowmeter |

Accessories

| Model No. | Price | Description |
|-----------------|-------|--|
| FMG-1004-GR | \$140 | 4" single flange grounding ring |
| FMG-1006-GR | 180 | 6" single flange grounding ring |
| FMG-1008-GR | 210 | 8" single flange grounding ring |
| FMG-1010-GR | 270 | 10" single flange grounding ring |
| FMG-1000-SK | 480 | Solar power kit |
| FMG-1000-MAW | 405 | 4 to 20 mA output module wall mount |
| OM-CP-PULSE101A | 99 | Counter/totalizer/event data logger with 1-year battery life (CE approved) OM-CP-IFC200 software sold separately |
| OM-CP-IFC200 | 129 | **Windows software and 3.7 m (12') USB interface cable |
| OM-CP-BAT105 | 15 | Replacement 3.6V lithium battery |

Comes complete with operator's manual.

** OM-CP-IFC200 includes Windows software, and 3.7 m (12') USB interface cable.

Ordering Examples: FMG-1006, 6" flange mounted magmeter, two FMG-1006-GR, grounding rings, OM-CP-PULSE101A data logger, and OM-CP-IFC200, software and cable for data logger, \$2075 + (180 x 2) + 99 + 129 = \$2663.

FLMG-1004, 4" flange mounted magmeter with two FMG-1004-GR, grounding rings, \$1915 + (140 x 2) = \$2195.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

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