FLANGED ELECTROMAGNETIC FLOW SENSOR
No Moving Parts, Minimal Straight Pipe Requirement, Unobstructed Flow

The SERIES FLMG Flanged Electromagnetic Flow Transmitters is a flanged, in-line flowmeter designed for use in 4 to 10” (10 to 25 cm) pipes. This series displays flow rate and total with selectable pulse rate output.

FEATURES/BENEFITS
• Long life cycle and less frequent maintenance with no moving parts to wear or break
• Minimum space requirement between the meter and a pipe elbow
• Rate and total indication are standard on large LCD display
• Obstruction free pipe cross-section yields low pressure drop
• Pulse output for use with a variety of displays and controllers for remote reading
• Minimum space requirement between the meter and a pipe elbow and electrodes that discourage fouling
• Long life cycle and less frequent maintenance with no moving parts to wear or break
• Pulse output for use with a variety of displays and controllers for remote reading

APPLICATIONS
• Pulse output for use with a variety of displays and controllers for remote reading
• Unaffected by change in temperature, density, viscosity or concentration
• Obstruction free pipe cross-section yields low pressure drop
• Rate and total indication are standard on large LCD display
• Minimum space requirement between the meter and a pipe elbow and electrodes that discourage fouling
• Long life cycle and less frequent maintenance with no moving parts to wear or break

The FLMG series is a flanged, in-line Electromagnetic Flow Transmitters, designed for use in 4 to 10˝ (10 to 25 cm) pipes. This series displays flow rate and total with selectable pulse rate output.

SERIES FLMG

SPECIFICATIONS
Service: Compatible non-coating conductive liquids.
Range: See chart.
Wetted Materials: Liner: Dual durometer rubber; Electrodes: 316 SS.
Accuracy: ±1% (10% to 100% of FS max. flow), ±2% (min. to 10% FS).
Temperature Limits: Process: 10 to 130°F (-12 to 54°C); Ambient: -40 to 158°F (-40 to 70°C).
Pressure Limits: 150 psi (10.3 bar).
Mounting Orientation: Horizontal or vertical.
Process Connection: 150# drilling ANSI vertical.

Output: Current sinking square wave pulse, opto-isolated.

Power Requirements: 7 to 32 VDC @ 30 mA and (2) 3.6 V AA lithium metal batteries, installed and functional, user replaceable for backup power.
Battery Life: 2 months with power failure; 10 years with power.
Electrical Connection: #22 AWG, 3 conductor length (18.5 m / 20000 max.)
Conductivity: ≥20 microSiemens.
Empty Pipe Detection: Hardware/software, conductivity-based.
Enclosure Rating: NEMA 4X (IP66).

Weight: 4˝: 32 lb (14515 g); 6˝: 47 lb (21319 g); 8˝: 69 lb (3128 g); 10˝: 125 lb (56699 g).

ACCESSORIES
Series Description
B - Blind analog transmitter; converts pulse output to 4 to 20 mA analog output.
RTI - unit is loop powered; fits on the enclosure of the meter, and is field spannable.
P - Pulse divider, for use with pacing electronic metering pumps; unit divides the input frequency to any number from 1 to 9999 with the use of rotary switches.
W - Internal data logger.
D - Factory-installed power/output cable, 15 m (50 ft)**
D - Factory-installed power/output cable, 30 m (100 ft)**
D - Factory-installed power/output cable, 45 m (150 ft)**
D - Factory-installed power/output cable, 60 m (200 ft)**

Example: FLMG-04-GM-GAL-H-15
F - FLMG Flanged electromagnetic flow sensor
L - Series
M - Pulse Rate
G - Pulse Rate
A - Measurement
L - Total Measurement
G - Pulse Rate
A - Options
H - Display:
1 - Rate: 5 digits;
2 - Total: 8 digits
3 - LCD.
4 - **Display is standard

**20-foot (6 m) cable standard
***Display is standard

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