Fluid Sensors
Flow Sensor: Magmeter

Detailed Technical Data
Model: FMM

Features

Medium	Water/fluids
Flowmeter type	Magnetic inductive (magmeter)
Setup type	Programmable electronics via display
Display	Rate & total
Display protective cover	None
Controls	Pin
Installation location/method	Pipe mounted FNPT
Meter element type	Electrode, no internal moving parts
Housing rating	IP67
Approvals	UL, CE, RoHS



Performance

Sensor element accuracy	+/- 2% of reading
Low flow cutoff	0.5% of maximum flow rate
Empty pipe detection	Hardware/software, conductivity based
Flow range	0.0 – 158.5 GPM, (0.454 - 2626.61) m3/H
Conductivity	>20 microSiemens/cm
Regulatory	UL, CE, RoHS, EN61000
Environmental	NEMA 6 & 6P, IP67

Mechanical

Wetted parts MOC	316 SS
Process connection	FNPT threaded coupling
Connection sizes	1/2”, 3/4”, 1”, 1.5”, 2”
Display housing MOC	316 SS
Electrodes MOC	316 SS
Pressure range	Up to 16 bar (232 psig)
Temperature range	-4° - 176° F (-10° to 70°C) operating

Electronics

Supply voltage	18-32 Vdc, 50/60Hz., 0.12A, overvolt cat 2
Power consumption	< 150mA
Output signal(s)	(2) 4-20mA
Display	6-digit LED
Flow reading	Bidirectional
Electrical connection	4 pin M12 cable
Cable	M12 cable provided, 6.5’ or 22’L

FMM Magmeters are designed to reliably detect the flowrate of conductive media up to 158.5 gallons per minute. The stainless steel, mechanically-robust design mounts directly in-line providing a compact, low-profile installation for process control.

A 4-digit numeric display with pushbutton setup indicates flow rate and fluid temperature with selectable engineering units. Two outputs are available to remotely monitor the analog status of flow rate and temperature parameters. Simple to set up, easy to install and with no moving parts, the FMM series is a reliable alternative to traditional flow meters and mechanical flow switches.

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