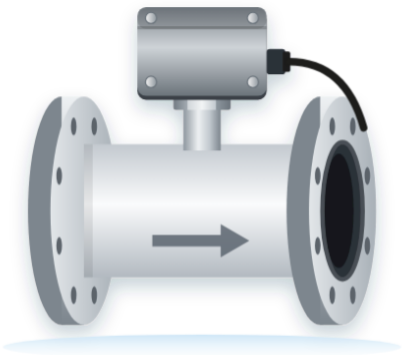
Fluid Sensors
Flow Sensor: Magmeter

Detailed Technical Data
Model: eMAG212

Features

Medium	Water/fluids
Flowmeter type	Electromagnetic (magmeter)
Setup type	Programmable electronics via display
Display	Rate & total
Display protective cover	Snap on plastic
Controls	Keypad
Installation location/method	Pipe mounted flange bolts
Meter element type	Electrode, no internal moving parts
Housing rating	IP68
Certified	CE & NSF/ANSI standard 61



Performance

Sensor element accuracy	+/-0.75% of reading
Low flow cutoff	0.5% of maximum flow rate
Empty pipe detection	Hardware/software, conductivity based
Flow range	2 - 11,565 GPM, (0.454 - 2626.61) m3/H
Conductivity	>20 microSiemens/cm
Regulatory	CE (EN 61326), NSF/ANSI STD 61, CSA/CUS
Environmental	NEMA 6P, CSA 6P, IEC 60925 IP68

Mechanical

Wetted parts MOC	Epoxy coated steel, polyurethane lined
Process connection	#150 lb flange ANSI B16.5
Connection sizes	2”, 3”, 4”, 6”, 8”, 10”, 12”
Display housing MOC	Powder coated diecast aluminum
Electrodes MOC	316 SS/Hastelloy optional
Pressure range	Up to 10.3 bar (150 psi)
Temperature range	10° - 140° F (-12° - 60° C) operating



Electronics

Supply voltage	100-240 Vac, 50/60Hz., 0.12A, overvolt cat 2
Power consumption	≤ 75mA @ 24 VDC
Output signal(s)	(1) Pulse (1) 4-20mA
Display	128X64 dot matrix LCD, 5 or 8 digit rate
Flow reading	Bidirectional
Cable provided	20ft (6M) power/output, up to 200 ft

Meters are CE certified, certified to NSF/ANSI standard 61 and are rated IP68 for applications where the meter may be operated under water to a depth of at least 10 feet (3 meters) continuously.

The display can be meter mounted or remote, and both rate and total indication are standard. Rate and total units and pulse scaling can be set via the front panel touch key pad by the user. Bidirectional flow reading is standard with totals available in forward total, reverse total, net flow total, batch forward flow total, and batch reverse flow total.

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