

MVM-002-QA

MAG-VIEW MVM-002-QA

Low-Flow Magnetic Inductive Flow Meter for water-like liquids

- Compact, weatherproof (IP65) design
- No moving parts (no mechanical wear)
- Interference free operation
- Independence to inlet/outlet pipework
- Fast response
- Free pipe cross section: low ΔP , insensitive to contamination
- Cost-optimized (plastic) model

MASSFLOW-ONLINE PRODUCT



Electromagnetic flow meters for low flow rates of water and aqueous solutions

MAG-VIEW instruments are electromagnetic inductive flow meters for electrically conductive liquids with a minimum conductivity of 20 $\mu\text{S}/\text{cm}$. The compact, weatherproof (IP65) flow meters do not contain any moving parts, cause virtually no pressure loss and can be mounted in any position, requiring no straight inlet or outlet runs.

MAG-VIEW flow meter model MVM-002-QA is a cost-efficient instrument with a DN3 PVDF measuring tube for flow rates of 0,1...2 l/min, suited for operating pressures up to 10 bar(g). The analog and pulse output signals of the instrument are proportional to the flow.

Technical specifications

Measurement / control system

| | |
|-----------------------------|--|
| Flow rates | 0,1 ... 2 l/min (max. flow 2,5 l/min) |
| Volume flow accuracy | ± 1 % RD (incl. factory calibration certificate; test conditions: water 23°C) |
| Repeatability | 1 % FS |
| Turndown ratio | 1:20 (5...100%) |
| Signal output starting from | ~ 0,05 l/min |
| Media | Water and other conductive liquids (minimum conductivity of 20 µS/cm) |
| Response time (sensor) | < 100 msec |
| Operating temperature | Medium -10...60°C, Ambient 5...60°C, not freezing |
| Mounting | Any position, attitude insensitive |
| Flow indication | blinking green LED |

Electrical properties

Power supply 12 ... 24 Vdc ±10 %

Max. power consumption 3,6 W

Analog output 4 ... 20 mA

Frequency output Pulse rate / K-factor : 10000 pulses/l
Resolution : 0,1 ml/pulse
Signal shape : Push-Pull
Signal current : max. 25 mA

Electrical protection measures Short-circuit proof,
protected against polarity reversal

Electrical connection 4-pin-plug M12x1

Electrical connection

Control valve options

External actuator options to be connected to the controller

Ex-proof specifications

Approvals / certificates

Technical specifications subject to change without notice.

For dimensional drawings and hook-up diagrams please visit the [product page](#) on our [website](#)

Related products



MAG-VIEW MVM-005-QA

Flow range 0,25 ... 5 l/min
Pressure rating 10 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Cost-optimized (plastic) model



MAG-VIEW MVM-020-QA

Flow range 1 ... 20 l/min
Pressure rating 10 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Cost-optimized (plastic) model



MAG-VIEW MVM-030-PN

Flow range 0,5 ... 30 l/min
Pressure rating 16 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Insensitive to contamination



MAG-VIEW MVM-030-PA

Flow range 0,5 ... 30 l/min
Pressure rating 16 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Analog/Pulse output



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