

DATASHEET MVM-060-PA

MAG-VIEW MVM-060-PA

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

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 50 µS/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-060-PA has a nominal diameter of DN10 for flow rates of 0,2...60 l/min, suited for operating pressures up to 16 bar(g). The instrument allows frequency and analog output (4...20 mA) proportional to the flow.

Technical specifications

Measurement / control system

Flow rates	0,2 ... 60 l/min
Volume flow accuracy	± 1,5 % RD + ±0,3% FS (incl. factory calibration certificate; test conditions: water 23°C)
Turndown ratio	1:60
Reproducibility	1 % FS
Signal output starting from	~ 0,2 l/min
Media	Water and other conductive liquids (minimum conductivity of 50 µS/cm)
Response time (sensor)	< 500 msec
Operating temperature	-20 ... 90 °C
Mounting	Any position, attitude insensitive
Flow indication	green LED, flow proportional flashing

Mechanical parts

Material (wetted parts)	Electrodes: Stainless Steel 1.4571 Process connections: Stainless Steel 1.4571 Measuring pipe: PEEK-GF30 Gasket: EPDM
Housing	Aluminium pressure diecasted
Diameter	DN10
Process connections	½" BSP male thread
Ingress protection	IP65

Mechanical parts

Nominal pressure	PN16
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Electrical properties

Power supply	12...24 Vdc ±10 %
Max. power consumption	≤ 150 mA
Analog output	4...20 mA, max. load 250 Ω to GND
Frequency output	Pulse rate / K-factor : 500 pulses/l Resolution : 2,0 ml/pulse Signal shape : Square wave signal - duty cycle 50:50 Push-Pull - NPN open collector [o.c.] - PNP o.c. Signal current : max. 100 mA, current limited
Electrical connection	5-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.

** Test conditions*
Water 23°C

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

Related products

			
MAG-VIEW MVM-030-PA	MAG-VIEW MVM-060-PN	MAG-VIEW MVM-200-QA	MAG-VIEW MVM-250-PA
Flow range 0,1 ... 30 l/min Pressure rating 16 bar Non-obstructive; low ΔP No moving parts; long life cycle Analog output	Flow range 1 ... 60 l/min Pressure rating 16 bar Non-obstructive; low ΔP No moving parts; long life cycle Insensitive to contamination	Flow range 10 ... 200 l/min Pressure rating 10 bar Non-obstructive; low ΔP No moving parts; long life cycle Cost-optimized (plastic) model	Flow range 5 ... 250 l/min Pressure rating 16 bar Non-obstructive; low ΔP No moving parts; long life cycle Analog output



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