MVM-250-QA

MAG-VIEW MVM-250-QA

Low-Flow Magnetic Inductive Flow meters 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 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-250-QA is a cost-efficient instrument with a DN25 PVDF measuring tube for flow rates of 12,5…250 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	12,5 … 250 l/min (max. flow 300 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	~ 5 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

Mechanical parts

Material (wetted parts)	Electrodes and grounding rings: Stainless Steel 316L Measuring pipe: PVDF Process connections: PVDF
Housing	ABS
Diameter	DN25
Process connections	1 ¼" BSP male thread
Seals	EPDM
Ingress protection	IP65
Nominal pressure	max. 10 bar at 20°C, 8 bar at 40°C, 6 bar at 60°C

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 : 80 pulses/l Resolution : 12,5 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

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-050-QA

Flow range 2,5 ... 50 l/min
Pressure rating 10 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Cost-optimized (plastic) model



MAG-VIEW MVM-200-QA

Flow range 10 ... 200 l/min
Pressure rating 10 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Cost-optimized (plastic) model



MAG-VIEW MVM-250-PN

Flow range 5 ... 250 l/min
Pressure rating 16 bar
Non-obstructive; low ΔP
No moving parts; long life cycle
Insensitive to contamination



MAG-VIEW MVM-250-PA

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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