DATASHEET MVM-030-PA

MAG-VIEW MVM-030-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-030-PA has a nominal diameter of DN7 for flow rates of 0,1...30 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.

Technische specificaties

Meet- / regelsysteem

Flow	0,1 … 30 l/min
Nauwkeurigheid volumeflowmeting	±0,7% RD + ±0,3% FS (incl. fabriekskalibratiecertificaat; testcondities: water 23°C)
Turndown ratio	1:60
reproduceerbaarheid	1 % FS
Signaaluitgang vanaf	~ 0,1 l/min
Media	Water and other conductive liquids (minimum conductivity of 50 µS/cm)
Responstijd (sensor)	< 500 msec
Gemiddelde temperatuur	-20 … 90 °C
Montage	Any position, attitude insensitive
Flow indicatie	green LED, flow proportional flashing

Mechanische delen

Materiaal (onderdelen die in contact komen met het medium)	Electrodes: Stainless Steel 1.4571 Process connections: Stainless Steel 1.4571 Measuring pipe: PEEK-GF30 Gasket: EPDM
Behuizing	Aluminium pressure diecasted
Diameter	DN7
Procesaansluitingen	½" BSP male thread
Beschermingsgraad (behuizing)	IP65

Mechanische delen

Nominale druk	PN16

Elektrische eigenschappen

Stroomvoorziening	12...24 Vdc ±10 %
Max. stroomverbruik	≤ 150 mA
Analoog signaal	4…20 mA, max. load 250 Ω to GND
Frequentie uitgang	Pulse rate / K-factor : 1000 pulses/l Resolution : 1,0 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
Elektrische beveiligingsmaatregelen	Short-circuit proof, protected against polarity reversal
Elektrische aansluiting	5-pin-plug M12x1

Elektrische aansluiting

Control valve options

Externe actuatoropties die op de controller moeten worden aangesloten

Ex-proof specificaties

Goedkeuringen / certificaten

Technische specificaties kunnen zonder kennisgeving worden gewijzigd.

Voor technische maattekeningen en aansluitschema's bezoekt u de productpagina op onze website

Related products



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-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-060-PA

- Flowbereik 1 ... 60 l/min
- Drukklasse 16 bar
- Zonder obstructie; lage ΔP
- Geen bewegende delen; lange levensduur
- Analoge/Puls uitgang

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