

# MVM-030-PN

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## MAG-VIEW MVM-030-PN

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  $\Delta P$ , insensitive to contamination



MASSFLOW-ONLINE PRODUCT

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### 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  $\mu S/cm$ . 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-PN has a nominal diameter of DN7 for flow rates of 0,5...30 l/min, suited for operating pressures up to 16 bar(g). The pulse output of the instrument is proportional to the flow.

# Technische specificaties

## Meet- / regelsysteem

|                                    |                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------|
| Flow                               | 0,5 ... 30 l/min                                                                          |
| Nauwkeurigheid<br>volumeflowmeting | ± 1,5 % RD + ±0,3% FS<br>(incl. fabriekskalibratiecertificaat; testcondities: water 23°C) |
| Turndown ratio                     | 1:60                                                                                      |
| reproduceerbaarheid                | 1 % FS                                                                                    |
| Signaaluitgang vanaf               | ~ 0,4 l/min                                                                               |
| Media                              | Water and other conductive liquids<br>(minimum conductivity of 50 µS/cm)                  |
| Responstijd (sensor)               | < 500 msec                                                                                |
| Gemiddelde temperatuur             | 5 ... 90 °C                                                                               |
| Montage                            | Any position, attitude insensitive                                                        |
| Flow indicatie                     | green LED, flow proportional flashing                                                     |

## Mechanische delen

|                                                               |                                                                                                                                |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Materiaal (onderdelen die in contact<br>komen met het medium) | Electrodes: Stainless Steel 1.4571<br>Process connections: Stainless Steel 1.4571<br>Measuring pipe: PEEK-GF30<br>Gasket: EPDM |
| Behuizing                                                     | Aluminium pressure diecasted                                                                                                   |
| Diameter                                                      | DN7                                                                                                                            |
| Procesaansluitingen                                           | ½" BSP male thread                                                                                                             |
| Beschermingsgraad (behuizing)                                 | IP65                                                                                                                           |
| Nominale druk                                                 | PN16                                                                                                                           |

## Elektrische eigenschappen

|                                     |                                                                                                                                                                                                                                 |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroomvoorziening                   | 24 Vdc ±10 %                                                                                                                                                                                                                    |
| Max. stroomverbruik                 | ≤ 150 mA                                                                                                                                                                                                                        |
| Frequentie uitgang                  | Pulse rate / K-factor : 1000 pulses/l<br>Resolution : 1,0 ml/pulse<br>Signal shape : Square wave signal - duty cycle 50:50<br>Push-Pull - NPN open collector [o.c.] - PNP o.c.<br>Signal current : max. 100 mA, current limited |
| Elektrische beveiligingsmaatregelen | Short-circuit proof, protected against polarity reversal                                                                                                                                                                        |
| Elektrische aansluiting             | 5-pin-plug M12x1                                                                                                                                                                                                                |

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  $\Delta P$   
No moving parts; long life cycle  
Cost-optimized (plastic) model



**MAG-VIEW MVM-030-PA**

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



**MAG-VIEW MVM-050-QA**

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



**MAG-VIEW MVM-060-PN**

Flow range 1 ... 60 l/min  
Pressure rating 16 bar  
Non-obstructive; low  $\Delta P$   
No moving parts; long life cycle  
Insensitive to contamination



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