MAG-VIEW

MVM-002-PN

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

Bronkhorst®

Technical specifications

Measurement & control

Type of media	liquids water-like
Flow range	0.05…2 l/min
Accuracy	± 1% FS for < 50% of full scale range ± 2% FS for > 50% of full scale range
Repeatability	1% FS
Turndown ratio	up to 1:40
Response time (sensor)	< 500 msec
Operating temperature	< 125 °C
Fluid temperature	-20…90 °C
Mounting	in any position
Storage/transport conditions	0...50 °C, max. 95% RH (non-condensing)

Approvals

Marking	CE, RoHS, WEEE, REACH

Mechanical specs

Pressure rating (PN)	16
Ingress protection	IP65
Material wetted parts	stainless steel 1.4571 (electrodes), stainless steel 1.4571 (process connections), PEEK-GF30 (measuring pipe)
Housing material	aluminium pressure diecasted
Sealing material	EPDM
Sensor inner diameter	DN2
Process connections	1/4" BSP male thread

Electrical properties

Power supply	24 VDC ±10 %
Power consumption	3.6 W
Frequency/Pulse output	pulse rate / K-factor: 10000 pulses/l, resolution: 0.1 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 interfaces

Power (main connector)	4-pin M12A (male)
Function (instrument connector)	Analog