

Dosimag elektromagnetische flowmeter

Flowmeter met hygiënisch ontwerp, maximale herhaalbaarheid en een ultracompacte sensor



Meer informatie en actuele prijzen:

www.be.endress.com/5BH

Voordelen:

- Hoge procesveiligheid – hoge meetnauwkeurigheid en herhaalbaarheid in korte vultijd
- Energiebesparende flowmeting – geen drukverlies door vernauwing van de doorsnede
- Onderhoudsvrij – geen bewegende onderdelen
- Veelzijdige en tijdsbesparende bedrading – stekker
- Geoptimaliseerd voor de industrie – ultracompact ontwerp
- Voor hygiëne-eisen – roestvrijstalen behuizing

Overzicht specificaties

- **Max. meetfout** $\pm 0.25\%$ o.r. ± 1 to 4 m/s (3.3 to 13 ft/s) $\pm 0.5\%$ o.r. ± 1 mm/s (0.04 in/s) $\pm 5\%$ o.r.
- **Measuring range** 0.14 to 1.66 l/s (0.035 to 0.44 gal/s)
- **Medium temperature range** Seal material EPDM: -20 to $+130$ °C (-4 to $+266$ °F) Seal material Silicone: -20 to $+130$ °C (-4 to $+266$ °F) Seal material Viton: 0 to $+150$ °C ($+32$ to $+302$ °F)
- **Max. process pressure** PN 16
- **Wetted materials** Liner: PFA Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022), Tantalum, Platinum

Toepassingsgebied: Dosimag is speciaal ontworpen voor vul- en botteltoepassingen van geleidende vloeistoffen. Deze meet het volume direct. Ontworpen voor toepassingen waarbij de ruimte beperkt is, waardoor Dosimag boven aan het lijstje van systeemintegrators, skidbouwers en productfabrikanten staat.

Kenmerken en specificaties

Liquids

Meetprincipe

Electromagnetic

Product headline

Flowmeter with hygienic design, highest repeatability and an ultra-compact sensor.

For demanding dosing and filling applications.

Sensor features

High process safety – high measuring accuracy and repeatability in shortest filling time. Energy - saving flow measurement – no pressure loss due to cross section constriction. Maintenance - free – no moving parts.

Wetted materials CIP, SIP cleanable. Nominal diameter: DN 4 to 25 ($\frac{1}{8}$ to 1"). Measuring device conform to FDA.

Transmitter features

Versatile and time-saving wiring – plug connector. Industry-optimized – ultra-compact design. For hygienic requirements – stainless steel housing.

Pulse/frequency/switch output, Modbus RS485. Custody transfer approvals (MID, NTEP). Excellent, easily cleanable transmitter.

Nominal diameter range

DN 4 ($\frac{5}{32}$ "), 8 ($\frac{5}{16}$ "), 15 ($\frac{1}{2}$ "), 25 (1")

Wetted materials

Liner: PFA

Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022), Tantalum, Platinum

Measured variables

Volume flow

Liquids

Max. meetfout

±0.25 % o.r. ± 1 to 4 m/s (3.3 to 13 ft/s)

±0.5 % o.r. ± 1 mm/s (0.04 in/s)

±5 % o.r.

Measuring range

0.14 to 1.66 l/s (0.035 to 0.44 gal/s)

Max. process pressure

PN 16

Medium temperature range

Seal material EPDM: -20 to +130 °C (-4 to +266 °F)

Seal material Silicone: -20 to +130 °C (-4 to +266 °F)

Seal material Viton: 0 to +150 °C (+32 to +302 °F)

Ambient temperature range

-40 to +60 °C (-40 to +140 °F)

Sensor housing material

1.4308 (304)

Transmitter housing material

1.4308 (304)

Degree of protection

IP66/67, type 4X enclosure

Display/Operation

No local Operation

Configuration via operating tools possible

Outputs

Pulse/frequency/switch output (passive)

Inputs

None

Liquids

Digital communicationModbus RS485

Power supplyDC 20 to 30 V

Hazardous area approvalsATEX, IECEx, cCSAus

Product safetyCE

Metrological approvals and certificates

Calibration performed on accredited calibration facilities (acc.to ISO/IEC 17025)

NTEP

Material certificates3.1 material

Hygienic approvals and certificatesSanitary approval: 3-A, EHEDG, seals acc. to FDA (except EPDM)

Meer informatie www.be.endress.com/5BH