

APLISENS - PEM-1000 SERIES FLOW METER

Electromagnetic (Magflow)

PEMDN0050PN16.1

- 0,085..28,274,3 m3/h
- 3/8" up to 40" pipe size
- 1,6 MPa
- Acids, alkalis, paints, pastes, water etc
- 4-20mA or Pulse/frequency



PRODUCT DESCRIPTION

The Aplisens PEM-1000 'Mag flow meter' is a very robust flowmeter for a wide range of applications at a competitive price.

The magnetic flowmeter is for bidirectional measurement of liquids with a minimum conductivity 5µS/cm such as acid/alkalis, paints, pastes and water/wastewater.

The PEM-1000 is available in two versions, one with a direct mounted display/sensor and the other with a separate display/sensor. The pipe size starts at 3/8" (DN10) which gives 1m3/h all the way up to 40" (DN1000) which offers 8000m3/h with a total of twenty one different pipe size/m3/h options inbetween. There is a choice of lining from soft or hard rubber to teflon and a choice of electrode materials which are 316Ti, Platinum Hastelloy, Tantalum and Titanium. Application examples:

- Utility, water and wastewater processing

Please refer to the datasheet further down the page under Downloads.

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TECHNICAL DATA

Classification accuracy	± 0.5% of scale value according to EN837-1
Connection	DN50 PN16
IP class	IP67
Material of body	Carbon steel
Material of wetted parts	PTFE
Pressure resistance max	16 bar
Signal type	4-20 mA
Supply voltage ac max	260 V AC
Supply voltage ac min	90 V AC

Temperature ambient from

-20 °C

Temperature ambient to

60 °C

Temperature of media from

-25 °C

Temperature of media to

130 °C

Weight

3,5 kg

Dimensions of control unit

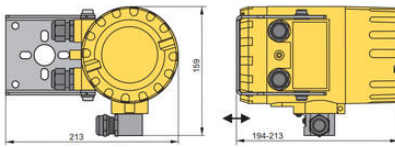
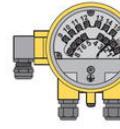
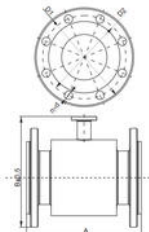


Table with 10 columns: DN, PN, A, B, C1, C2, d, n, kg. Lists dimensions and weights for various pipe sizes from 10 to 1000 mm.



Terminal description table with columns: Terminal, Description. Lists connections for power supply, binary outputs, pulse frequency output, current output, communication, and binary inputs.

DN 10 - DN 150 A ± 5 mm
DN 200 - DN 1000 A ± 10 mm

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Flow value table in [m³/h] with columns: DN, v=0.3m/s, v=1m/s, v=3m/s, v=5m/s, v=8m/s, v=10m/s. Includes a note: 'Optimal flow speed v=3m/s'.

Standard Orifice and recommended Orifice range table with columns: DN, Standard flow rate, Flow rate range.

Dimensions of control unit

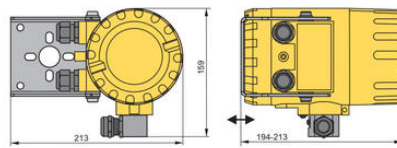
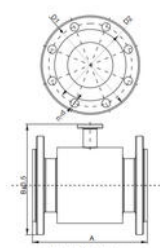


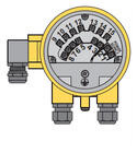
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