

Pressure Drop Indicator Energymonitor EMO

Description

Magnetic differential manometer ultrafilter Energymonitor EMO has been developed to indicate pressure drop across the filter element in compressed air system ⁽¹⁾. It detects when the filter cartridge is clogged and should be replaced. Energymonitor EMO is mounted on the aluminum filter housing type AG as standard.



Applications ⁽²⁾

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

⁽¹⁾For any other technical gas please contact us or your local dealer

⁽²⁾Energymonitor EMO can be used in variety of applications. For applications not listed please contact us or your local dealer.

Technical Specification ⁽³⁾

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure (Standard version)	0 - 16 bar(g)	0 - 232 psi
Mass	0,15 kg	0.33 lb
Indication range	0 - 0,9 bar	0 - 13 psi
Indication accuracy	+/- 5% of full scale value	
Typical installation	Head of filter housing	

⁽³⁾Standard version, at 7 barg

Materials ⁽⁴⁾

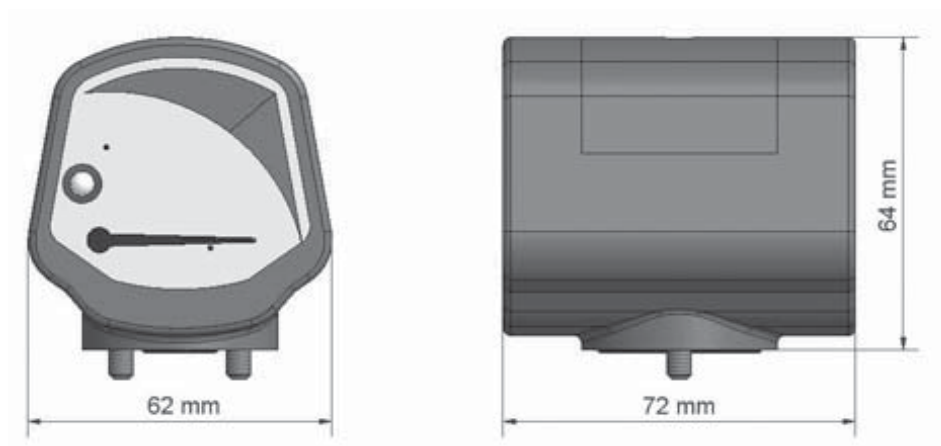
Housing material	PA6(Polyamide) 30% glass fibres
Housing sealing	NBR
Inspection glass	PC (Polycarbonate)
Mechanism, scale	PA6(Polyamide) 30% glass fibres, ferrite (FeNdB chrome-plated), NBR, stainless steel
Screws	Steel –zinc plated

⁽⁴⁾Standard version

Types

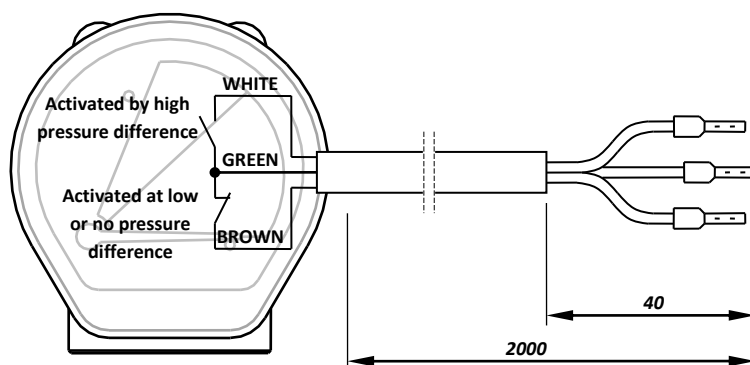
Model	Description
EMO	basic version
EMO LED	electronic version (battery) with LED alarm light
EMO A	voltage-free contact version for remote alarm

DIMENSIONS



Energymonitor EMO A (voltage-free alarm contact) Connection Specification

Contacts	NO contact/NC contact
Type of contact	Reed
Switching point	0,6 bar
Max. Switching voltage	200 V DC / 140V AC
Max. Switching current	0,5 A AC/DC
Max. Switching power	10 W
Connection	Cable



Maintenance

Once per year make a visual check of the pressure drop indicator and make sure there is no visual damage or leakage.