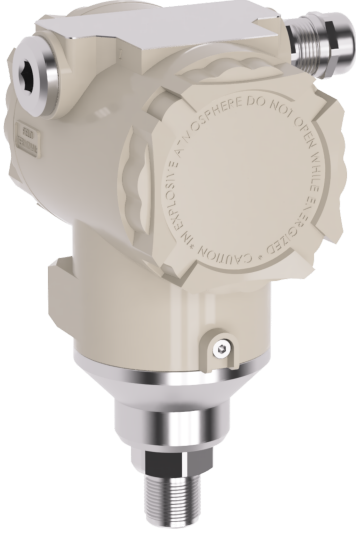
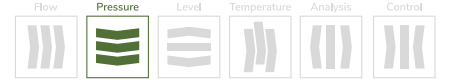


MPS540

Pressure Transmitter



OVERVIEW

Operation

MPS540 series pressure transmitters are suitable for liquids gas pressure measuring and controlling in the moderate media with sensor probe working very well with long term stability at the high temperature 125°C

Application

- Creating consumption profiles to save energy
- Pressure and temperature-compensated flow measurement of compressed air
- Accurate determination of compressed air flow rates over a broad measuring range

Features

- Compact design
- Protection type IP67, IP68 as optional
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Various output signal
- High accuracy
- High vibration resistant



OPERATING DATA

Temperature Limit

-40°C... +125°C

Compensated Temperature Range

-10°C...125°C

Stability

0.15% of FS/year

Response Time

4 mSec.

Accuracy

±0.5% /±0.1%

Over Pressure

Full scale range up to 16 bar-2.5x

Above 16 to 600 bar-2x

Above 600 bar-1.5x

Vibration And Shock Limit

20g, 20...5000hz-100g, 11mSec.

Enclosure

IP65/IP67/IP68

Cable

100 m max.

MEASURING RANGES

Max Pressure Range

0-1000 mBar

MATERIALS

Diaphragm

AISI316L

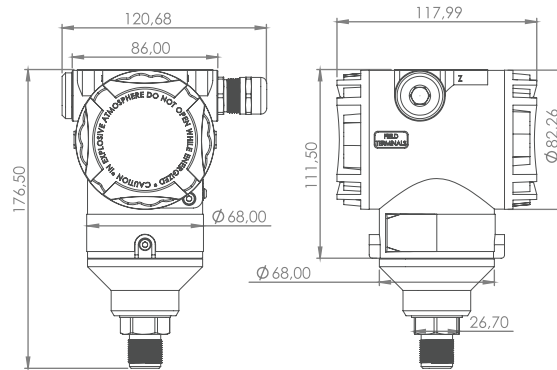
Body Tube

AISI316L

Housing

Aluminum

TECHNICAL DRAWINGS AND DIMENSIONS



CONNECTION

Standart

1/4", 1/2" NPT or G

Others

On request

ELECTRICAL DATA

Output

2 wires 4-20 mA

Power Supply

10-36 VDC power

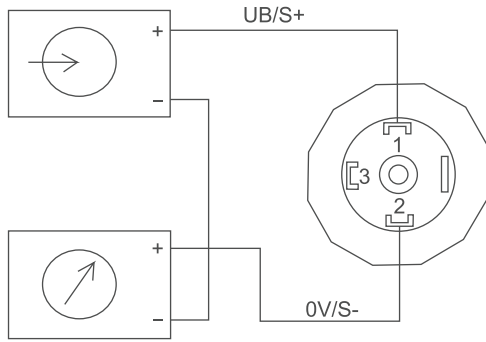
Option

0-5 VDC, 1-5 VDC or 0-10 VDC

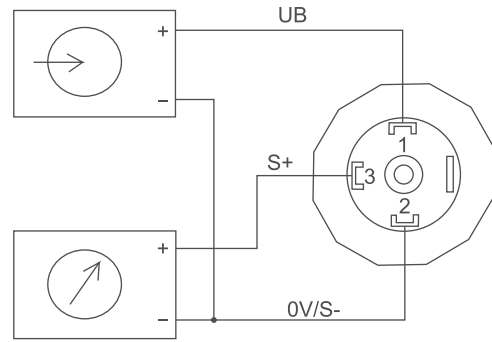
Enclosure

IP67/IP68

WIRING



4-20 mA, 2 wires



0-10 VDC

APPROVAL

2004/108/EC, EN61326-1, 10/2016, EN 61326-2-3, 05/2007, 2006/95/EC



MEASURING RANGES

Code	Range	Code	Range	Code	Range
004	0...100 mBar	012	0...4 Bar	012	0...160 Bar
005	0...160 mBar	013	0...6 Bar	013	0...250 Bar
006	0...250 mBar	014	0...10 Bar	014	0...400 Bar
007	0...400 mBar	015	0...16 Bar	015	0...600 Bar
008	0...600 mBar	016	0...25 Bar	016	0...1000 Bar
009	0...1 Bar	017	0...40 Bar		
010	0...1.6 Bar	018	0...60 Bar		
011	0...2.5 Bar	019	0...100 Bar	xxx	Special Ranges

ORDERING

Model	
MPS540	Pressure Transmitter

Output	
420	4-20 mA (Other specify as X)
005	0-5 VDC
010	0-10 VDC

Measuring Range	
XXX	Please Look at Measuring Range Table

Pressure Type	
R	Relative
A	Absolute

Connection	
01	G 1/4" Male thread
02	1/4" NPT Male thread
03	G 1/2" Male thread
04	1/2" NPT Male thread
XX	Others on request

Hazardous Area	
N	None
Xi	Ex d IIC T4

