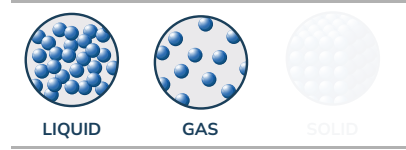
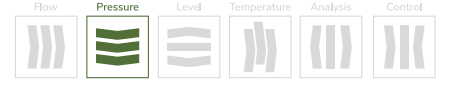


MPS300

Pressure Transmitter



OVERVIEW

Operation

MPS300 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 of 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 IP65, IP67 or IP68
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Various output signal
- High accuracy
- High vibration resistant
- Piezoresistive sensor



OPERATING DATA

Temperature Limit

-40°C... +125°C

Compensated Temperature Limit

-10°C... +125°C

Stability

0,15% of FS/year

Response Time

4mSec.

Accuracy

±0.5% / ±0.1%

Over Pressure

Full scale range up to 16 bar-2.Sx

Above 16 to 600bar - 2x

Above 600 bar - 1.Sx

Vibration and Shock Limit

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

Enclosure

IP65 /IP67 /IP68

Cable

100 m max.

MEASURING RANGES

Max Measuring Range

-1-1000 Bar

MATERIALS

Diaphragm

AISI316L

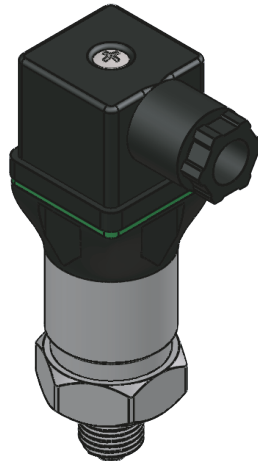
Body Tube

AISI316L

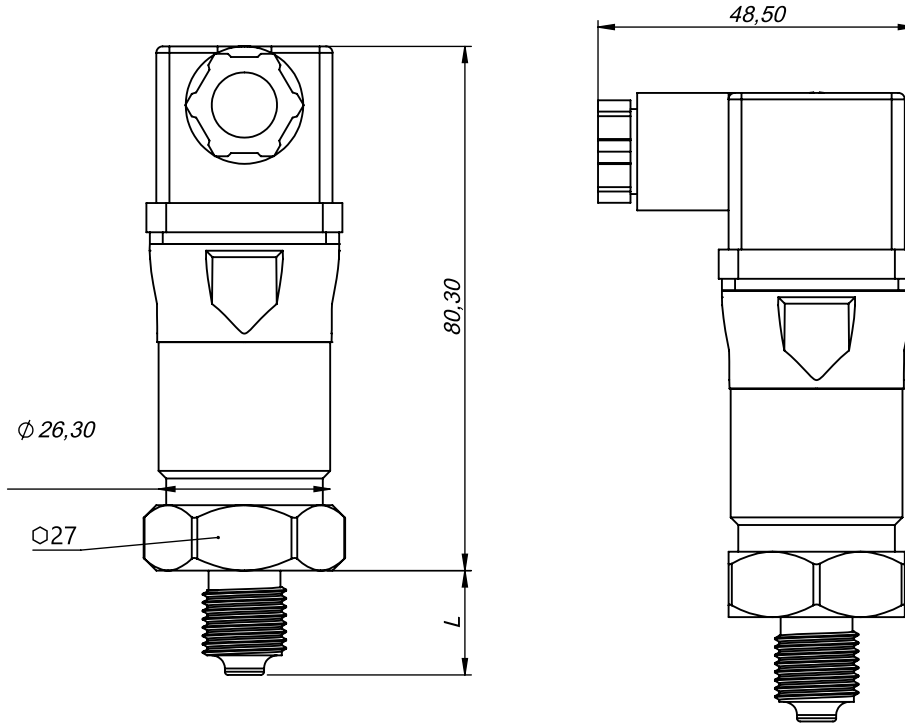
Socket

Polyamid66

ASSEMBLY DRAWINGS



TECHNICAL DRAWINGS AND DIMENSIONS



CONNECTION

Standart

1/4" 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

Electrical Connection

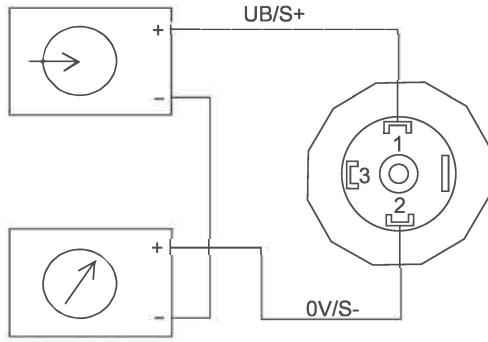
DIN 43650A or cable connection

Enclosure

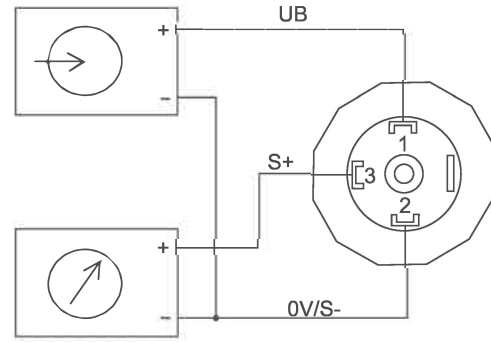
IP65 /IP67 /IP68



WIRING



4-20 mA, 2 wires



0-10 VDC, 3 wires

APPROVAL

2014/30/EU (EMC), EN 61326-1 : 2013, EN 61326-2-3 : 2013, EN 61010-1 : 2011 Ex d II C
T6,T5,T4 - II 1/2G Ex ia IIC T4 GB (Ga)

MEASURING RANGES

Code	Range	Code	Range	Code	Range
004	0...100 mBar	012	0...4 Bar	020	0...160 Bar
005	0...160 mBar	013	0...6 Bar	021	0...250 Bar
006	0...250 mBar	014	0...10 Bar	022	0...400 Bar
007	0...400 mBar	015	0...16 Bar	023	0...600 Bar
008	0...600 mBar	016	0...25 Bar	024	0...1000 Bar
009	0...1 Bar	017	0...40 Bar	025	-1...1 Bar
010	0...1,6 Bar	018	0...60 Bar		
011	0...2,5 Bar	019	0...100 Bar	XXX	Special Ranges



ORDERING

Model	
MPS300	Pressure Transmitter

Output	
420	4-20 mA(others specify as X)
050	0-5 VDC
010	0-10 VDC

Measuring Range	
XXX	Please look at the measuring range table

Pressure Type	
01	Relative
02	Absolute

Process Connection	
01	G 1/4"
02	1/4" NPT-M
03	Others

Electrical Connection	
PIN	PIN Connector M12
DIN	DIN 43650A
010	Cable length 10m.

Hazardous Area	
N	None
Xi	II 1/2G Ex ia IIC T4 Gb(Ga)
Xd	Ex d II C T6, T5, T4

Enclosure	
65	IP65
67	IP67
68	IP68

Accuracy	
5	±0.5%
1	±0.1%

