

MFB200

Differential Pressure Transmitter



OVERVIEW

Operation

MFB200 series differential 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.

Features

- Compact design
- Protection type IP65 or IP67 as optional
- Corrosion resistant stainless steel design
- Wide measuring range
- Simple installation
- Various output signal

Application

- Level measurement
- Filtration
- Pump Test
- Pressure loss measurement
- Water treatment
- Textile machines



OPERATING DATA

Temperature Limit

-40...125°C

Compensated Temperature Limit

0...60°C

Stability

0.1% of FS/year

Accuracy

±0.25% FS

Repeatability

±0.05% of Full scale

MEASURING RANGES

Maximum Pressure Range DP

0-25 bar

Overpressure Range

0.5-50 bar

MATERIALS

Diaphragm

AISI 316L

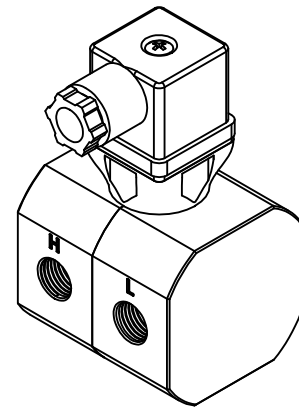
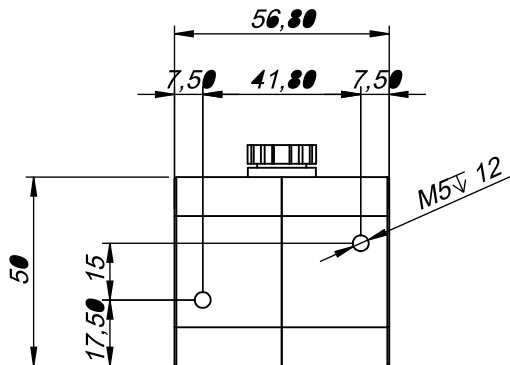
Body Tube

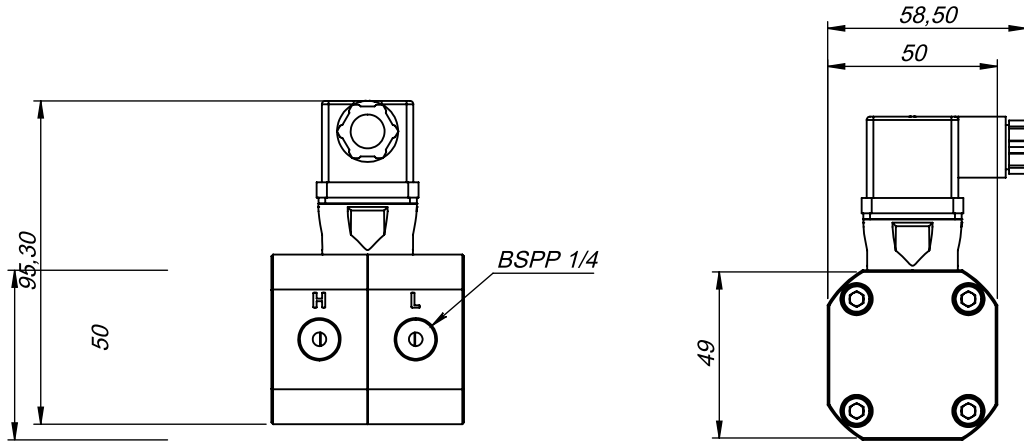
AISI304, Aluminum on request

Others

On request

TECHNICAL DRAWINGS AND DIMENSIONS





CONNECTION

Standard

G 1/4", other sizes on request

ELECTRICAL DATA

Output

2 wires, 4-20 mA

Power Supply

10-36 VDC power

Option

0-5 VDC or 0-10 VDC

Supply should be 14 VDC minimum

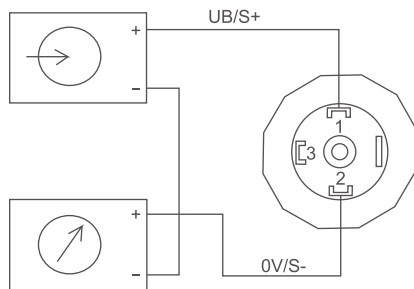
Electrical Connection

DIN 43650A or cable connection

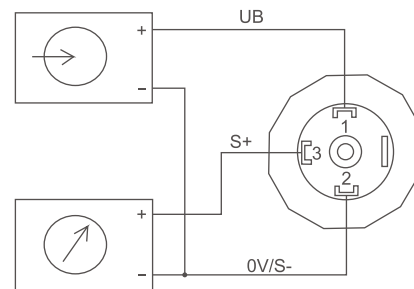
Enclosure

IP65,IP67 on request

WIRING



4-20 mA, 2 wires



0-10 VDC



MEASURING RANGES

Code	Range DP	Over pressure Range	Overpressure Range for MPS555
006	0...250 mBar	500 mBar	
007	0...400 mBar	800 mBar	6 Bar
008	0...600 mBar	1500 mBar	
009	0...1 Bar	2 Bar	
010	0...1,6 Bar	5 Bar	10 Bar
011	0...2,5 Bar	5 Bar	
012	0...4 Bar	8 Bar	
013	0...6 Bar	12 Bar	40 Bar
014	0...10 Bar	20 Bar	
015	0...16 Bar	32 Bar	100 Bar
016	0...25 Bar	50 Bar	
XXX	Please specify		

ORDERING

Model	
MFB200	Differential pressure transmitters

Output	
420	4-20mA
005	0-5 VDC
010	0-10 VDC
421	4-20mA + HART

Measuring Range	
XXX	Please see "Measuring range table"

Pressure Type	
01	Relative

Process Connection	
01	G 1/4"
X	Please specify other size

Electrical Connection	
DIN	DIN 43650A
010	Cable length 10 m

Hazardous Area	
N	None
Xi	II 1/2G Ex ia IIC T4 Gb(Ga)

