

Differential Pressure Transmitter

MFB200



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 Temp. Limit	0...60°C
Stability	0.1% of FS/year
Accuracy	±0.25% FS
Zero Balance	±5% Full scale
Repeatability	±0.05 % of Full scale

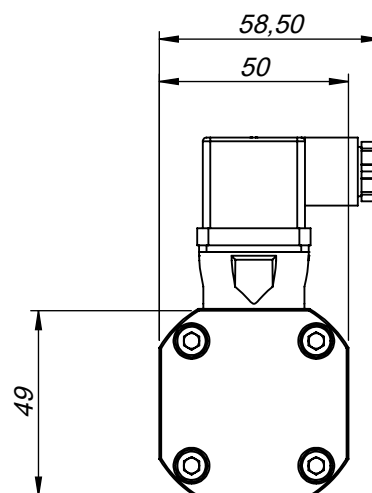
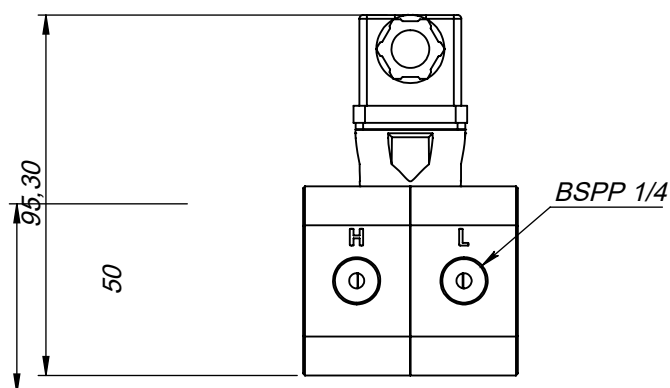
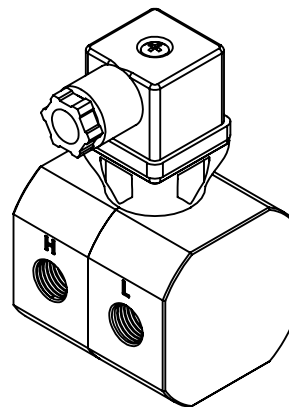
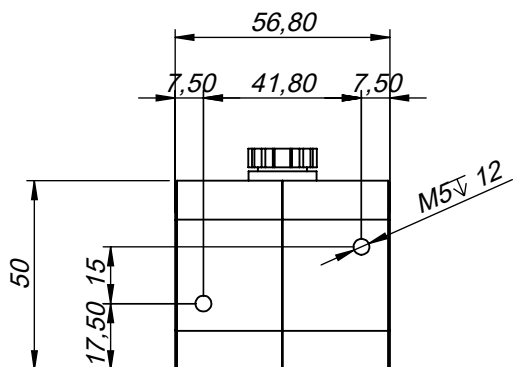
MEASURING RANGES

Max Pressure Range DP	0-25 bar
Overpressure Range	0,5-50 bar

MATERIALS

Diaphragm	AISI316L
Body Tube	AISI304, Aluminum on request
Others	On request

TECHNICAL DRAWINGS AND DIMENSIONS



■ CONNECTION

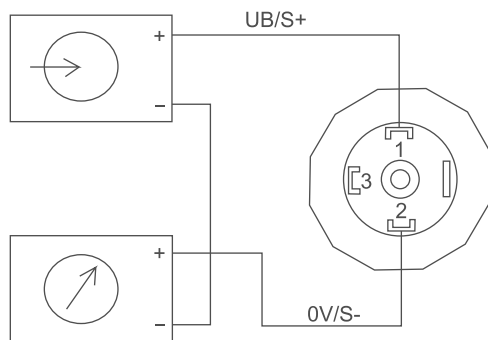
Standard

G 1/4", other sizes on request

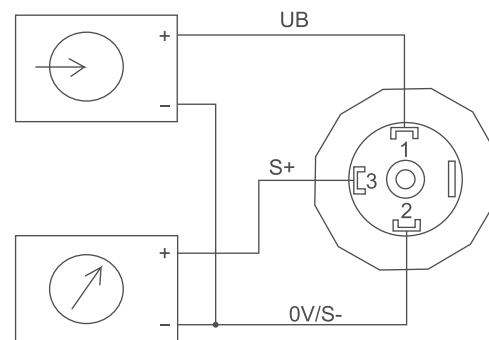
■ ELECTRICAL DATA

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 min
Electrical Connection	DIN 43650A or cable connection
Enclosure	IP65, IP67 on request

■ WIRING



4-20 mA, 2 wires



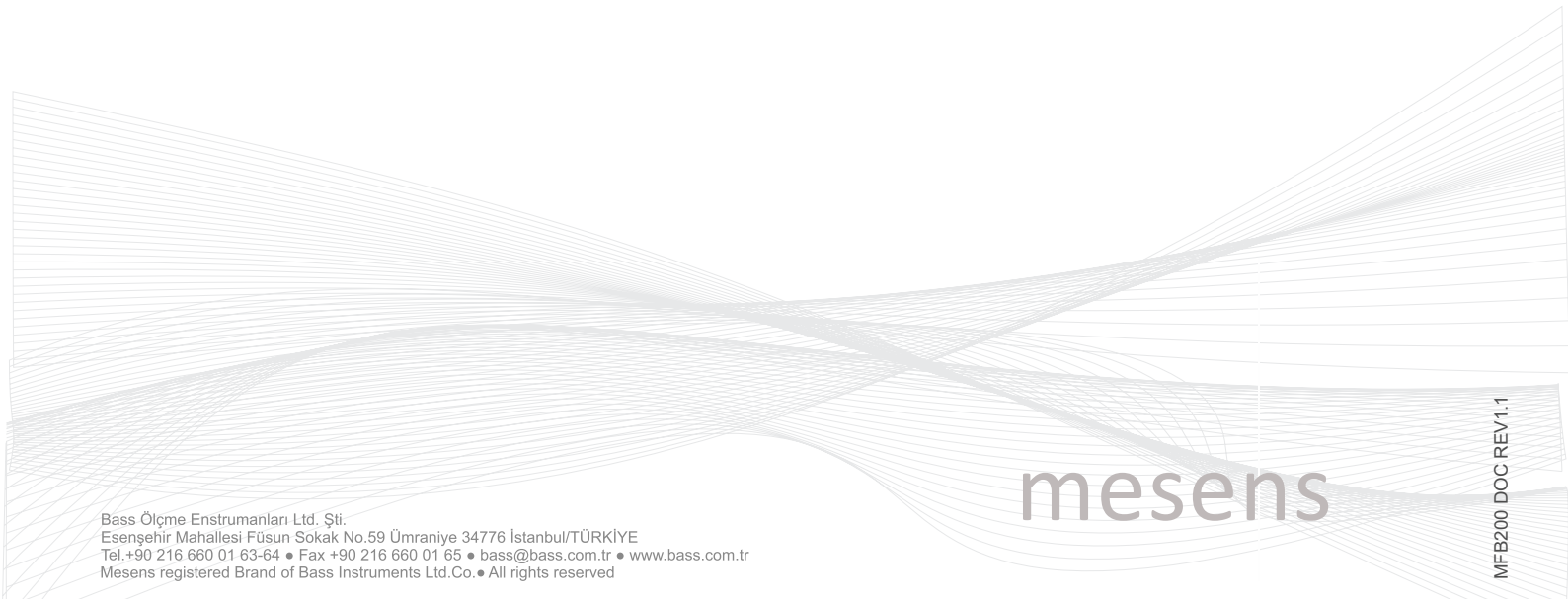
0-10 VDC

MEASURING RANGES

Code	Range DP	Over pressure Range	Overpressure Range for MPS555
006	0...250 mBar	500 mBar	6 Bar
007	0...400 mBar	800 mBar	
008	0...600 mBar	1500 mBar	
009	0...1 Bar	2 Bar	10 Bar
010	0...1,6 Bar	5 Bar	
011	0...2,5 Bar	5 Bar	
012	0...4 Bar	8 Bar	40 Bar
013	0...6 Bar	12 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

MFB200						Differential pressure transmitters
Output	420					4-20 mA
	005					0-5 VDC
	010					0-10 VDC
	421					4-20 mA+HART
Measuring Range	XXX					Please see "Measuring ranges 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)



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