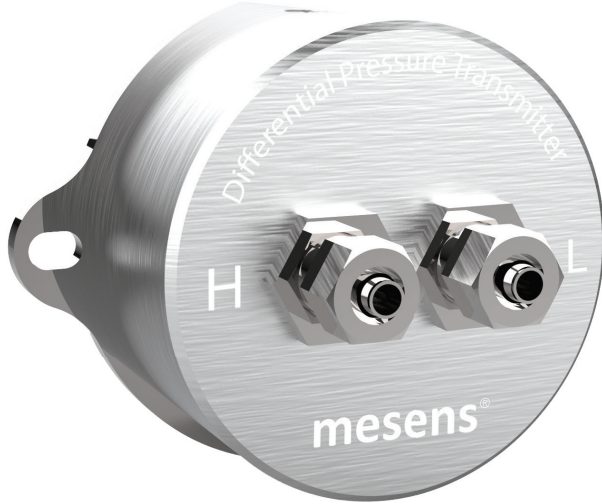


MFB100

Differential Pressure Transmitter



OVERVIEW

Operation

MFB100 series differential pressure transmitters are suitable for non-corrosive gas pressure measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high temperature of 85°C.

The measuring ranges from 0 to 10 mbar to the maximum pressure range of 1000 mbar. The case and wetted parts comprise aluminium and are thus resistant to vibration and shock. MFB100 transmitters can be used for negative pressure, positive pressure and differential pressure as easily.

Features

- Compact design
- Protection type IP65
- Shock resistant aluminium design
- Wide measuring range
- Simple installation
- Various output signal

Application

- Air conditioners
- Filtration
- Level measurement
- Pressure loss measurement
- HVAC



OPERATING DATA

Operating Temperature Range

-20°C... +85°C

Compensated Temperature Range

0...50°C

Stability

0.2% of FS/year

Enclosure

IP65

Accuracy

±0.5% FS

Zero Temperature Coefficient

0.03% FS/°C

Zero-Span Balance

±5% of Full scale

Process Connection

Hose connection or thread

MEASURING RANGES

Max Pressure Range

0-1000 mBar

MATERIALS

Body

Aluminum

Others

On request

ELECTRICAL DATA

Output

2 wires, 4-20 mA

Option

0-5 VDC or 0-10 VDC
Supply should be 14 VDC min.

Power Supply

10-36 VDC power

Electrical Connection

Cable connection



WIRING

4-20 mA		0-10 VDC or 0-5 VDC	
Cable Colour	Description	Cable Colour	Description
White	Supply V+	White	Supply V+
Brown	Output V+	Brown	Supply V-
		Green	Output V+

MEASURING RANGES

Code	Range	Overpressure Range
001	0...10 mBar	50 mBar
002	0...16 mBar	80 mBar
003	0...25 mBar	125 mBar
004	0...40 mBar	200 mBar
005	0...60 mBar	300 mBar
006	0...100 mBar	500 mBar
007	0...160 mBar	800 mBar
008	0...250 mBar	1250 mBar
009	0...400 mBar	2000 mBar
010	0...600 mBar	3000 mBar
011	0...1000 mBar	5000 mBar
012	XXX	Please specify



ORDERING

Model	
MFB100	Differential pressure transmitters

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

Measuring Range	
XXX	Please see "Measuring Ranges Table"

Pressure Type	
01	Absolute
02	Vacuum
03	Positive
04	Differential Pressure

Process Connection	
01	G 1/4"
02	M12x1,5
03	8 mm hose connection

Electrical Connection	
005	Cable length 0.5 m (standard)

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

