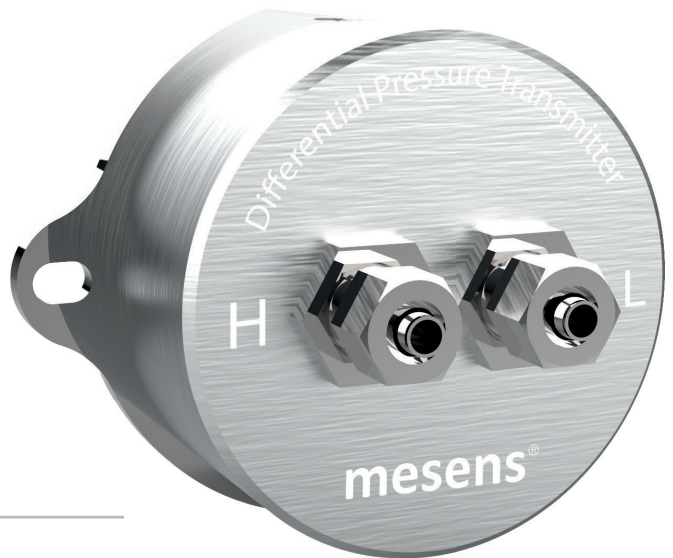


Differential Pressure Transmitter

MFB100



GAS



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 use 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 Temp. Range	-20...+85°C
Compen. Temp. Range	0...+50°C
Stability	0.2% of FS/year
Accuracy	±0.5% FS
Zero Temp. Coefficient	0.03% FS/°C
Zero-Span Balance	±5 % of Full scale
Enclosure	IP65
Process Connection	Hose connection or thread

■ MEASURING RANGES

Max Pressure Range	0-1000 mBar
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■ 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 +	BROWN	Supply V-
		GREEN	Output +

MEASURING RANGES

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

ORDERING

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)