

Differential Pressure Transmitter

Model DPM2000

Materontek

Features

- Measuring ranges from 100 Pa to 10 kPa
- Accuracy: ±1.0 %FSO(Typ.)
- Calibrated and temperature compensated
- Output 4...20mA, 0...5/10VDC and others
- Display unit: Pa, mmH2O, mbar, inWG, mmHG, Pa, kPa, hPa

Application

- For building automation in the HVAC/R industry
- Pressure and flow monitoring, and low differential pressure test in industry application.



Performance Specifications

General

Pressure Range [bar]	100 Pa to 10 kPa
Overpressure [bar]	3xFS
Measuring medium	Dry Air and neutral gases

Environmental

Medium Temp. Range [°C]	-10 to +60°C
Cycles	10x10 ⁵ cycles

Electrical @25°C

Output Signal	4...20 mA, 1...5 VDC, 0.5...4.5 VDC, 0...10 VDC 0...2.5 VDC, RS485
Power Supply	16...30VDC
Load Resistance	<(Vs-12)/0.02A [For current output]
Insulation Resistance	100 MΩ@50VDC
EMC Test	IEC61000-6-2/IEC61000-6-3

Physical Specifications

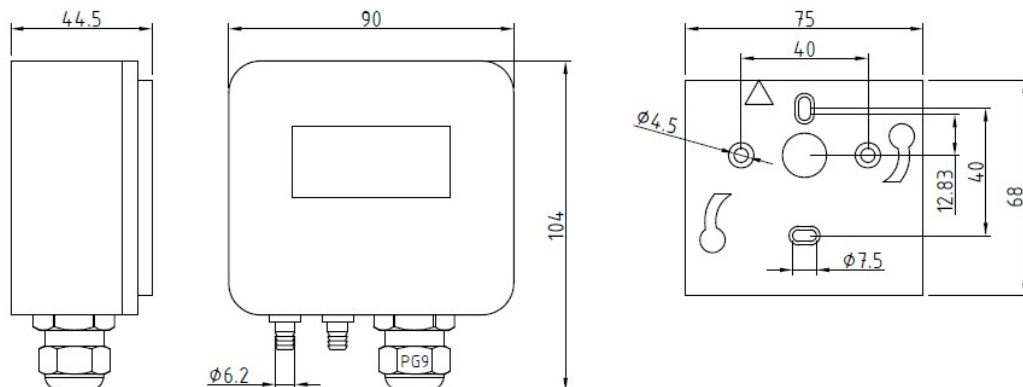
Housing	ABS
Pressure interface	Metal barb connection, Ø 6.2 mm
Protection	IP65

Performance

Accuracy [% FSO]	±1.0[typ.]
Temp. Coeff - Zero [% FSO]	±0.75[typ.], ±1.5[max.]
Temp. Coeff - Span [% FSO]	±0.75[typ.], ±1.5[max.]
Long-Term Stability [% FSO]	±0.3[typ.], ±0.5[max.]

Dimensions

All dimensions in mm



Measuring ranges

D: Differential pressure

Code	Range [Pa]	Type
0001	-100...+100	D
0002	-1000...+1000	D
0003	-10000...+10000	D
0004	0...100	D
0005	0...1000	D
0006	0...10000	D

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