

Differential Pressure Sensor DP-E

Pressure range: 0 ... 70 / 0 ... 100 mbar differential

A miniature differential pressure sensor for precision temperature compensated air pressure measurement. It is typically used as pitot tube sensor.



Mechanical data

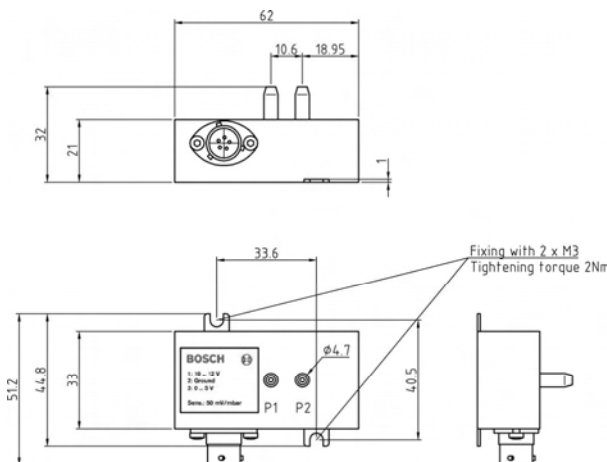
Dimensions	62 x 33 x 21 mm
Fixing	2 x M3
Tightening torque	2 Nm
Weight	50 g

Conditions for use

Temperature range	-20 ... 70°C
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Characteristic

Sensitivity	
0 ... 70 mbar	71,42 mV/mbar
0 ... 100 mbar	50 mV/mbar



Electronic data

Power supply	7,5 ... 24 V
Compensated range	0 ... 70°C
Non linearity	0,25 %/FSO
Therm. zero point drift	0,30 %/FSO
Therm. sensitivity drift	0,20 %/FSO
Long time drift	0,10 %/FSO
Full scale output	0 ... 5 V

Accessories

Pitot tube	B 261 209 700
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Order numbers

0 ... 70 mbar	
AS 0-06-05PN-HE	B 261 209 698
Offer drawing	A 261 209 698
0 ... 100 mbar	
AS 0-06-05PN-HE	B 261 209 699
Offer drawing	A 261 209 699