Low pressure differential sensor ZS-2 (0...1,000 mbar)

Compact and robust differential pressure transmitter for measurement in air and other non-aggressive media

- ☑ High accuracy when detecting the smallest pressure differences
- ☑ High reliability and long-term stability due to piezoresistive measuring elements
- ☑ High mechanical stability and excellent EMC properties due to robust aluminum housing
- ☑ Available with different pressure ranges

Technical Data

Characteristics

Type of measurement	Differential pressure
Design	Aluminum
Media	Air and other non-aggressive gases

Measuring element and parameters

Response time	< 2.5 s
Hysteresis	0.1 %
Excess pressure	4* up to 500 mbar, ahead 2*
Signal output	0...10 V 4...20 mA, 2-wire

Operating conditions

Operating voltage	24 VDC/AC ±10 % (0...10 V) 15...30 VDC (4...20 mA)
Operating temperature	-20...+50 °C

Connections

Electrical connections	Screw pin
Process connection	Tube 4 mm oder 6 mm
Cable	PG 7

Certifications

The device complies with the following standards:

- ☑ EN 50082-1
- ☑ EN 50082-2

Technical modifications reserved

Pressure ranges

Pressure range (mbar)	Linearity max. (% FS)	Temp.-Error max. (± % FS)	Repeat-ability (± % FS)
0...2.5	1.0	3.5	0.3
0...5	1.0	2.5	0.3
0...10	1.0	1	0.2
0...25	0.8	1	0.1
0...50	0.8	1	0.1
0...100	0.8	1	0.1
0...250	0.5	1	0.1
0...500	0.5	1	0.1
0...1,000	0.5	1	0.1

Applications

- ☑ Filter monitoring
- ☑ Control of fans
- ☑ Environmental engineering
- ☑ Medical technology
- ☑ Level monitoring of liquids
- ☑ Machine and plant construction

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Sales and consulting: Tel.: +49 (0)3681-8673020 EMail: info@zila.de
ZILA GmbH Neuer Friedberg 5 98527 Suhl
www.zila.de

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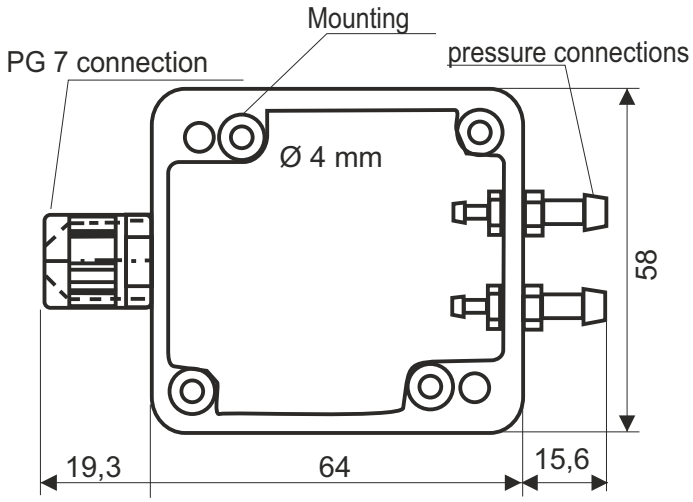
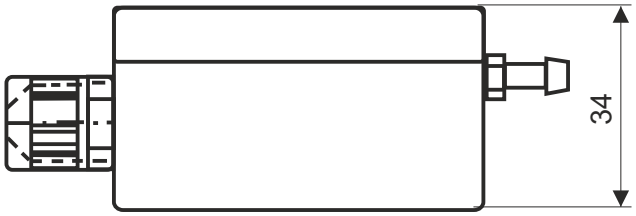
Design and dimensions





Assignment

PCB terminal:

Output 0...10 V	**Output 4...20 mA**
1: + VDC	1: + VDC
2: Output 0...10 V	2: Output 4...20 mA
3: GND	

Order

Scope of delivery

Differential pressure transmitter ZS-2

Options for your order

Desired pressure range as indicated
Output signal as indicated
Process connection, others up on request

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