

Low pressure differential sensor ZS-1 (0...2,5 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	250 mbar
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 connection	Screw pin
Process connection	Tube 4 mm or 6 mm
Cable	PG 7

Pressure ranges

Pressure range (mbar)	Linearity max. (± % FS)	Temp.-Error max. (± % FS)	Repeat-ability (± % FS)
0...0.25	0.5	6	4
0...0.5	0.5	4	2
0...1	0.8	2.5	1
0...2.5	0.8	2	0.3

Applications

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

Certifications

The device complies with the following standards:

- ☑ EN 50082-1
- ☑ EN 50082-2

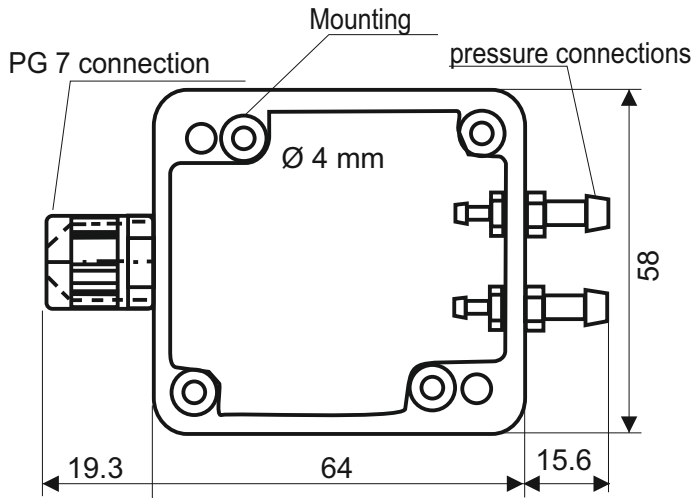
Technical modifications reserved

Sales and consulting: Tel.: +49 (0)3681-8673020
ZILA GmbH Neuer Friedberg 5

E-Mail: info@zila.de
98527 Suhl

Low pressure differential sensor ZS-1 (0...2,5 mbar)

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-1

Options for your order

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

Data sheet version: ZS-1-20122018.CHIME

Technical modifications reserved

Sales and consulting:
ZILA GmbH

Tel.: +49 (0)3681-8673020
Neuer Friedberg 5

E-Mail: info@zila.de
98527 Suhl