

# Low pressure differential sensor ZDT-N

## Versatile and reliable differential pressure transmitter for measurement in air and other non-aggressive media

- ☑ Detecting smallest pressure differences
- ☑ Long-term stability due to piezoresistive measuring element
- ☑ Compensation of offset errors by zeroing after installation
- ☑ Switchover of the analogue output voltage to double or half the differential pressure range
- ☑ 4-digit LCD-Display



## Technical Data

### Characteristics

Type of measurement	Differential pressure
Design	Plastic with LCD-Display (option)
Excess pressure	2.5* x Nominal pressure

### Measuring element and parameters

Total error	± 2.5 % FS (typ. ± 0,5 %)
Linearity	± 1 % FS
Signal output	0...10 V 4...20 mA

### Operating conditions

Operating voltage	14...30 V DC (0...10 V) 12...30 V DC (4...20 mA)
Operating temperature	0...+50 °C
Storage temperature	-20°C...+120°C

### Connections

Electrical connections	Internal PCB terminal
Process connection	Tube 3.5 mm or 5.5 mm

## Pressure ranges

### in mbar

- ☑ 1 / 2 / 4
- ☑ 2.5 / 5 / 10
- ☑ 12.5 / 25 / 50
- ☑ 50 / 100 / 200
- ☑ others upon request

## Applications

- ☑ Filter monitoring
- ☑ Medical technology
- ☑ Environmental engineering
- ☑ Process technology
- ☑ Air conditioning
- ☑ Testing technology

## Certifications

The device applies with the following standards:

- ☑ EN 50082-1
- ☑ EN 50082-2

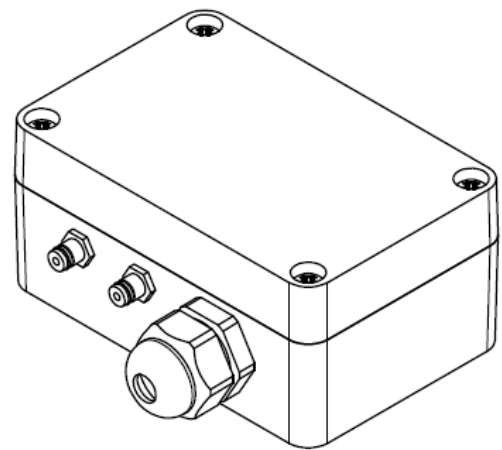
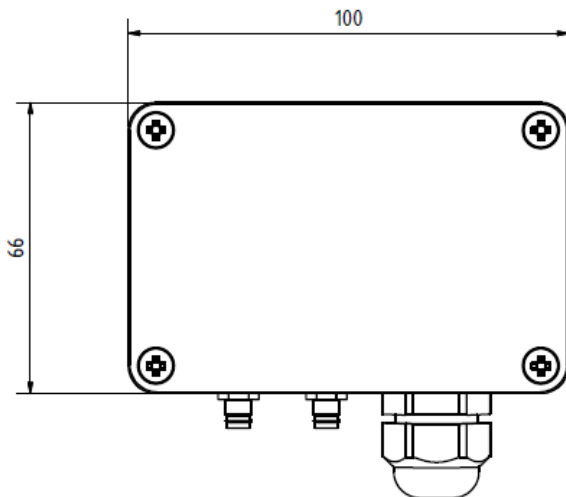
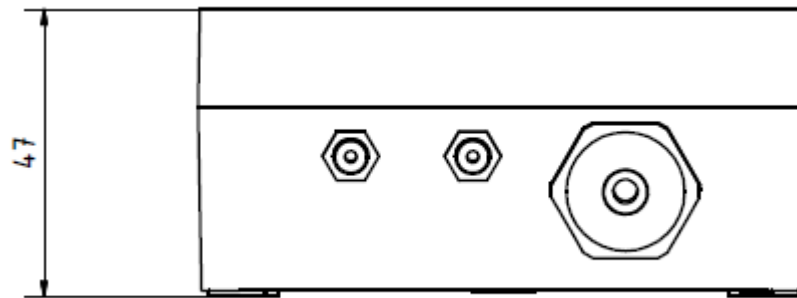
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Sales and consulting: ZILA GmbH  
Tel.: +49 (0)3681-8673020  
Neuer Friedberg 5

E-Mail: info@zila.de  
98527 Suhl

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## Design and dimensions



## Order

### Scope of delivery

Differential pressure sensor ZDT-N

### Options for your order

Desired pressure range as indicated
Signal output as indicated
Process connection, others upon request
LCD-Display

Technical modifications reserved

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**ZILA GmbH** Neuer Friedberg 5

E-Mail: [info@zila.de](mailto:info@zila.de)  
98527 Suhl

  
[www.zila.de](http://www.zila.de)