

## Low Pressure Differential Sensor ZDT-N, ZAT-N

### Parameter

### ZDT-N ZAT-N

#### **ZDT-N**

**Digital differential pressure transmitter with display**

#### **Pressure ranges**

Nominal pressure	Overpressure
1 / 2 / 4 mbar	20 mbar
2,5 / 5 / 10 mbar	100 mbar
12,5 / 25 / 50 mbar	250 mbar
50 / 100 / 200 mbar	500 mbar
Other ranges on request	

#### **ZAT-N**

**Digital absolut pressure transmitter with display**

#### **Pressure ranges**

Nominal pressure	Overpressure
1 / 2 / 4 mbar	20 mbar
2,5 / 5 / 10 mbar	100 mbar
12,5 / 25 / 50 mbar	250 mbar
50 / 100 / 200 mbar	500 mbar
Other ranges on request	

#### **Technical data**

Output alternatively

- 0...10V (Supply voltage 14...30V DC or 24V AC)
- 4...20 mA (Supply voltage 12...30V DC)

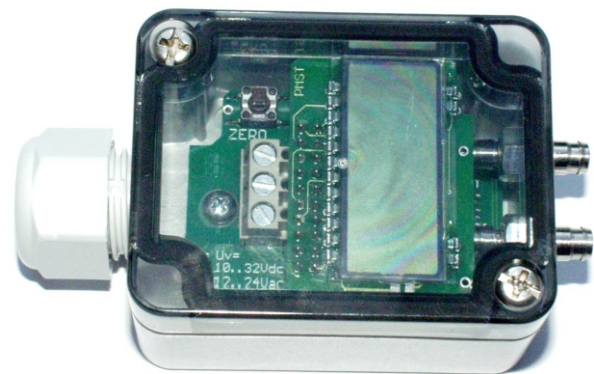
Linearity +/- 1% FS

Accuracy +/- 2,5% FS

Operating temperature: 0 °C till +50 °C

Storage temperature: -20 °C till +120 °C

EMV and ESD checked: EN 50082-1 and EN 50082-2



### Applications

- Filter monitoring
- Medicine technology
- Environment systems
- Process control
- Air conditioning engineering
- Semiconductor production
- Low pressure systems
- Test Technology

# Technical Data

## Description

This transmitter is used for measurement of difference and absolute pressure in air and other non aggressive gases. This pressure transmitter is used in the pneumatics and process technology.

The completely digital realization permits the change-over of measuring areas and a zero setting after the installation. With it offset's mistakes can be compensated.

This transmitter will be delivered with or without 4-digit LCD display. The value area in the display is freely eligible. The units are faded in on the right side.

Optionally the access to the data is possible in digital form and can be pursued up to 120 Transmitter of this class trough a bus. The connection occurs about bus coupler modules. In the digital class other measuring dimensions are available.

## Mechanical data

Dimensions (LxBxH):

51 x 65 x 36 mm

without connectors

Type of protection: IP 65

Electrical connector:

C-clamp in the housing

Pressure connector:

tube connector 3,5mm / 5,5mm

Mistakes and changes in terms of technical improvements reserve

## Order information

Differential pressure transmitter  
**ZDT-N-aa-xxx**

Absolute pressure transmitter  
**ZAT-N-aa-xxx**

aa: 10 Output 4...20 mA  
20 Output 0...10 V

xxx: Pressure ranges, look at the frontpage