

High Pressure Differential Sensor ZDT-H

Parameter

ZDT-H

Digital differential pressure transmitter with microcontroller

Pressure ranges

Nominal pressure	Overpressure
5...1000 bar	1,2 (1,5) x Nominal pressure

Difference- / Linepressure until 1:15
Difference also at +/- Nominal pressure

Technical Data

Output alternatively

- 0...10V
- 4...20 mA, 2-wire
- 4...20 mA, 3-wire

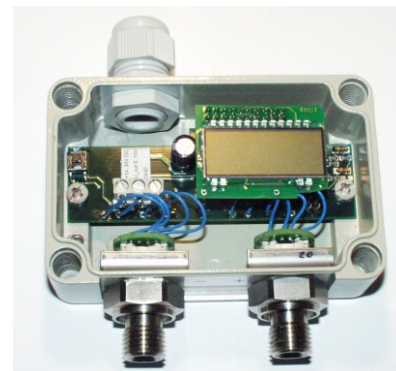
Supply voltage 14...28V DC +/- 10%

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



with removed lid

Applications

- Hydraulic
- Pneumatic
- Environment systems
- Process Control
- Air conditioning engineering
- Semiconductor production
- Automotiv application
- Agricultural machine engineering
- Heating
- Industrial roboter

Technical Data

Description

This transmitter is used for measurement of difference pressure in air, liquids and oils. 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.

The change-over of the measuring area works only on the analogous output. He can be put on the double or half a difference area. The polarity of the inputs is exchanged by jumper 2.

The 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.

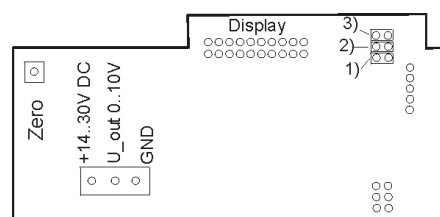
Mechanical data

Dimensions (LxBxH):
100 x 65 x 40 mm
without connectors

Type of protection:
IP55 (IP 65 without LCD)

Electrical connector:
C-clamp in the housing

Pressure connector:
G1/4 E (other on request)



- 1) Half a difference pressure area
- 3) Double difference pressure area
- 2) Exchange inputs

Order information

Differential pressure transmitter
ZDT-H-aa-xxx

aa: 10.0 Output 4...20 mA, 2-wire
10.1 Output 4...20 mA, 3-wire
20.0 Output 0...10 V

xxx: Pressure ranges: Look at the frontpage

Mistakes and changes in terms of technical improvements reserve