

Differential Pressure Transmitter

DPT

Pressure range: 0,5kPa, ± 1 , ± 2 , ± 5 , ± 10 , ± 20 , ± 30 kPa and 100kPa
(± 5 mbar, ± 10 , ± 20 , ± 50 , ± 100 , ± 200 , ± 300 mbar and ± 1 bar)
Output: 4...20 mA and 0...10 V
Media: Air, non aggressive gases

Construction

- Material: Wetted material sensor are parts and housing from plastics
- Silicon membrane
- Operating temperature 0 °C bis +50 °C
- Accuracy: $\pm 1,0\%$ F.S.

Application / Possibles uses

- Air conditioning and Heating
- Civil engineering / Process control
- Pneumatics

Description / Options

The differential pressure transmitter use in industrial application, environmental measurement and facility management. To measure differential pressure in gases. The pressure sensors are maintenance free.

Technical information:

Output: 0...10 V or 4...20 mA
Supply voltage: 12...32 V DC
Linearity: $\pm 1,0\%$ F.S.
Total error : $\pm 2,5\%$ F.S.
Electrical connector: C-clamp in the housing
Pressure connector: hose connector 3,5 mm or 5.5 mm
Operating temperature: 0...+50 °C
Environment temperature: 0... +50 °C
Protection class: IP65 acc. to DIN EN 60 529

Safety indication / Conditions governing the use:

Observe the applicable safety regulations laid down by the regulatory bodies in the country of use. Observe without fail the warning notices and other instructions laid down in the operating instructions

We arranged this manual with care. It was not possible however to consider all applications. If you require notes for your special setting of tasks, please contact us.

Mistakes and changes in the sense of technical improvements reserved.

10 / 2005



Connection:

Pin	(Output 0...10V)	(Output 4...20mA)
1	+ Supply	1 + Supply
2	Output	2 ground and resistor
3	Ground	3 not used

