

## Differential Pressure Transmitter

## DPTA

**Pressure range:** 0,5 kPa, ± 1, ± 2, ± 5, ± 10, ± 20, ± 30 kPa and 100 kPa  
(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
- LCD-Display - 3,5 digits
- Silicon membrane
- Operating temperature 0 °C to +50 °C
- Accuracy: ± 1,0 % F.S.

### Application / possible 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: ± 1,0 % F.S.  
 Total error: ± 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: IP 65 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.



Connection:

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

