**Features**

- Compact differential pressure transmitter for basic applications in cleanrooms, machines, HVAC or filter monitoring
- Robust ABS housing with IP 65 for top-hat rail or wall mounting
- ± and asymmetric measurement ranges
- Either with one fixed measurement range or toggling between 4 different measurement ranges
- Pressure units Pa, kPa (linear output signal)
- Square-root output signal in % of max. possible value
- Configurable via DIP switches
- Zero point correction and via internal pushbutton or digital input
- Fine adjustment via internal pushbutton

**Optional**

- 3 ½ digits display
- 2-wire system (ZWL) or relay (6 A)
- Plug for easy commissioning

**Measurement ranges (also ±)** others available upon request

<table>
<thead>
<tr>
<th>Measurement range</th>
<th>Others available upon request</th>
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</thead>
<tbody>
<tr>
<td>≤100 Pa</td>
<td>1/2/5/10 kPa</td>
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<tr>
<td>100 Pa</td>
<td>50 Pa/100 Pa/200 Pa</td>
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<tr>
<td>200 Pa</td>
<td>250 Pa/500 Pa/1 kPa</td>
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<tr>
<td>500 Pa</td>
<td>1 kPa/2.5 kPa/5 kPa</td>
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<tr>
<td>1 kPa</td>
<td>±50 Pa/±100 Pa/±200 Pa/±250 Pa</td>
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<tr>
<td>2 kPa</td>
<td>±50 Pa/±100 Pa/±200 Pa/±250 Pa</td>
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<tr>
<td>5 kPa</td>
<td>±250 Pa/±500 Pa/±1 kPa</td>
</tr>
<tr>
<td>10 kPa</td>
<td>±250 Pa/±500 Pa/±1 kPa</td>
</tr>
<tr>
<td>20 kPa</td>
<td>±1 kPa/±2.5 kPa</td>
</tr>
<tr>
<td>50 kPa</td>
<td>±1 kPa/±2.5 kPa</td>
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</table>

**Margin of error at 22°C, 0.3 Pa margin of error for the reference** ± 1 % of the set value for measurement ranges ≤ 100 Pa
± 0.5 Pa for measurement ranges > 100 Pa

**Temperature coefficient span** 0,1 % of max. value/K

**Temperature coefficient zero point** 0,1 % of max. value/K

**Max. system pressure / Overload capacity** ± 25 kPa: measurement ranges ≤ 250 Pa
± 50 kPa: measurement ranges > 250 Pa

**Medium** air, all non-aggressive and non-flammable gases

**Sensor response time** 25 ms

**Ambient temperature** -10...70°C with display: 0...50°C

**Storage temperature** -10...70°C with display: -5...55°C

**Calibration temperature** 22 °C

**Air humidity (Medium)** 0...80% RH

**Power consumption** < 1 W (Optional relay: < 4 W)

**Pressure ports** for tubing NW 4 and 6 mm

**Protection class** IP 65

**Weight** approx. 200 g

**Certificates** CE

**Order code**

<table>
<thead>
<tr>
<th>PS 17</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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**Optional display**

- 3 ½ digits display
- 2-wire system (ZWL) or relay (6 A)
- Plug for easy commissioning

**Electrical connection**

- spring-type terminal, 2 x M 16 cable glands
- M12 plug

**Test certificate**

- ISO factory calibration
- DAkkS Calibration

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**Dimensions in mm**

- Pressure ports NW 4 and 6
- Cable glands 2 x M 16 x 1.5 (optional: 1 x M 20 x 1.5 or M12 plug)

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**PS 17 with optional display**

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**PS 17**