

Announcement: Differential pressure transmitter PS 17

Compact standard transmitter

- Either with one fixed measurement range or toggling between 4 different measurement ranges (optional)
- Zero point correction and via internal pushbutton or digital input
- Fine adjustment via internal pushbutton
- Can be calibrated
- Measuring symmetric and asymmetric measurement ranges
- Output signals can be configured using DIP switches
- Conversion into square root signal adjustable
- Also as 2-wire system or with relay (optional)
- With LCD (optional)
- Top-hat rail mounting and wall surface installation IP 67
- Plug for easy commissioning (optional)

Technical data

Measurement ranges:	50/100/200/500 Pa, 1/2.5/5/10kPa
Outputs:	0 .. 10 V, 2 .. 10 V, 0 .. 20 mA, 4 .. 20 mA
Power supply:	24 VAC/DC (50/60 Hz, $\pm 10\%$) 15..32 VDC (two-wire) 24 VDC (with galvanic separation)
LCD:	3 ½ digit (optional)
Contact points:	1 switching relay max. 230 VAC, 6 A (optional)
Measurement accuracy:	$\pm 1\%$ of the set value (for measurement ranges ≤ 100 Pa plus ± 0.5 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:	dry air, non-aggressive and non-flammable gases
Sensor response:	25 ms
Step response time (T63) (Time constant):	25 ms (adjustable)
Rated temperature range:	- 10 .. 70 ° C with display: 0 .. 50 °
Storage temperature:	- 10 .. 70 ° C with display: - 5 .. 55 ° C
Power consumption:	< 1 W (Option Relay: < 4 W)
Weight:	approx. 200 g
Electrical connection:	spring-type terminal and cable glands 2 x M 16 or 1 x M20 or M12 plug (optional) for tubing NW 4 and 6 mm
Pressure ports:	for tubing NW 4 and 6 mm
Protection class:	IP 67
Housing/ cover:	ABS, top-hat rail assembly and wall mounting possible
Dimensions:	103mm x 78mm x 65mm
Certificates:	CE / UKCA
Optional:	DAkKS or ISO factory calibration certificate

Designation: Differential pressure transmitter
Type: PS 17
Manufacturer: halstrup-walcher GmbH