

Announcement: differential pressure transmitter PS 27

Compact differential pressure transmitter for basic applications

- Measurement ranges from 0..50 Pa to 100 kPa
- Either with one fixed measurement range or toggling between four different measurement ranges
- For measuring positive or negative pressures, even asymmetrically
- Also available with two-wire technology (optional)
- Measurement ranges and output signals can be selected via jumpers (optional)
- Can be calibrated
- With 1 alarm contact (optional)
- With LCD (optional)
- Top-hat rail mounting and wall surface installation IP 65

Technical data

Measurement ranges:	50/100/200/500 Pa, 1/2/5/10 kPa
Analog outputs:	0 .. 10 V, 2 .. 10 V, 0 .. 20 mA, 4 .. 20 mA, 0 .. 5 V
Power supply:	24 VAC/ DC, $\pm 10\%$ 15 .. 32 VDC (two-wire)
LCD:	4-digit (optional)
Contact points:	1 switching relay max. 230 VAC, 6 A
Measurement accuracy:	$\pm 3\%$ of the set value for < 100 Pa or $\pm 2\%$ of the set value for ≥ 100 Pa
Temperature coefficient zero point:	0.1 % of max. value / K
Max. system pressure:	10 kPa
overload capacity:	12 x for measurement ranges ≤ 20 kPa 4 x for measurement ranges ≥ 20 kPa
Medium:	dry Air, all non-aggressive gases
Step response time (T63) (Time constant):	20 ms .. 4 s adjustable (factory-provided)
Rated temperature range:	20 .. 60°C with display 0..50 °C
Storage temperature:	-20..70 °C
Power consumption:	max. 1 VA
Weight:	approx. 0.25 kg
Cable glands:	2 x M12 clamp range $\varnothing 3 .. 6.5$ mm
Pressure connections:	for tubing NW 4-6 mm
Protection class:	IP 65
Housing/ cover:	ABS
Dimensions:	80 mm x 87 mm x 52 mm
Wall mounted housing:	Top-hat rail assembly and wall mounting possible
Certificates:	CE / UKCA
Optional:	DAkkS calibration certificate, ISO factory calibration certificate

Designation: differential pressure transmitter

Type: PS 27

Manufacturer: halstrup-walcher GmbH