## 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 V AC / DC ± 10 % (without galvanic separation),  
15 .. 32 VDC two-wire

LCD: 3 ½-digits (optional)

Contact points: 1 relay (changeover contacts), max. 230 V AC, 6 A  
(min. required switching capacity 300 mW) (not for two-wire)

Measurement accuracy: ± 3% FS for < 100 Pa or   
± 2 % FS for ≥ 100 Pa

Temperature coefficient zero point: max. ±0.1 % FS / 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, non-aggressive and non-flammable 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. 250 g

Cable glands: 2 x M12 clamp range Ø 3 .. 6.5 mm

Pressure connections: tube fitting 4 mm / 6 mm or  
Plug-in fitting 4 mm or  
Plug-in fitting 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**