## 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 ad-justable
* 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, ± 10 % reverse pole protection) 15..32 VDC (two-wire) 24 VDC (with galvanic separation)

LCD: 3 ½ digit (optional)

Contact points: 1 relay (exchange contacts) max. 230 V AC, 6 A  
(not for two-wire)

Measurement accuracy: ± 1 % FS ± 1 Pa measurement range ≤ 250 Pa  
± 1 % FS ± 0.5 Pa measurement range > 250 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 .. 10s (adjustable)

Rated temperature range: - 10 .. 70 ° C with display: 0 .. 50 ° C

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)

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: 103 mm x 78 mm x 65 mm

Certificates: CE / UKCA

Optional: DAkkS or ISO factory calibration certificate

**Designation: Differential pressure transmitter**

**Type: PS 17**

**Manufacturer: halstrup-walcher GmbH**