## Announcement: Differential pressure transmitter P 34

**Configurable transmitter for pressure and volume flow for installation in a control cabinet**

* For measuring positive or negative pressures, even asymmetrically
* Also for volume / mass flow and flow rate measurements
* With temperature input (optional) and built-in, static pressure sensor for P/T compensated volume flow
* With USB port
* Compact housing for control cabinet with IP 20 for top hat rail mounting, without display
* Measurement ranges from 0..10 Pa to 100 kPa
* Measurement ranges / outputs can be configured
* With 2 relay outputs (optional)
* Inductive measurement cell for highly accurate measurement and temperature stability
* High zero point stability thanks to automatic zero point calibration
* Built-in valve provides a high level of overload protection
* Can be calibrated (ex works and on-site)
* CE, GOST and CSA approved

**Technical data**

Measurement ranges: 10/50/100/250/500 Pa, 1/2.5/5/10/20/50/100 kPa  
(others available upon request, adjustable measurement ranges for volume flow, mass flow and flow rate)  
freely scalable from 10..100 % within a measurement range

Analog outputs: 0 .. 10 V, 0 .. 20 mA, 4 .. 20 mA

Power supply: 24 VAC/DC ±10%

Contact points: 2 relays max. 230 VAC, 6 A

Measurement accuracy: ±0.2% FS (for measurement ranges ≤ 25 kPa) or ±0.5% FS

Temperature coefficient span: max. 0.03%of FS/K

Temperature coefficient zero point: ± 0 % (cyclical/manual zero-point correction)

Max. system pressure/

overload capacity: 400 kPa for measurement ranges ≥ 2.5 kPa

200x for measurement ranges < 2.5 kPa

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

Sensor response time: 25 ms

Step response time (T63)

(Time constant): 25 ms .. 60 s (adjustable)

Rated temperature range: 10°C .. 50°C

Storage temperature: -10°C .. 70°C

Power consumption: approx. 6 VA

Weight: approx. 450 g

Pressure ports: Hose connector NW 4 / 6 mm,  
Push-on elbow connector 3 mm / 4 mm / 6 mm

Housing: control cabinet ABS housing for top hat rail mounting

Protection class: IP 20

Dimensions: 125 mm x 108 mm x 35.2 mm

Certificates: CE / UKCA

Data interface: USB 2.0 Full-Speed Slave (Mini USB)

Certificates (opt.): DAkkS calibration certificate, ISO factory calibration certificate

**Designation: Differential pressure transmitter**

**Type: P 34**

**Manufacturer: halstrup-walcher GmbH**