

Announcement: Differential pressure transmitter P34

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 \pm 10%
Contact points:	2 relays max. 230 VAC, 6 A
Measurement accuracy:	\pm 0.2% FS (for measurement ranges \leq 25 kPa) or \pm 0.5% FS
Temperature coefficient span:	max. 0.03% of FS/K (10 .. 50°C)
Temperature coefficient zero point:	\pm 0 % (cyclical zero-point correction)
Max. system pressure/ overload capacity:	400 kPa for measurement ranges \geq 2.5 kPa 200x for measurement ranges $<$ 2.5 kPa
Medium:	Air, all non-aggressive 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:	for hose 4 .. 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 (data cable supplied)
Certificates (opt.):	DAkkS calibration certificate, ISO factory calibration certificate

Designation: Differential pressure transmitter
Type: P34
Manufacturer: halstrup-walcher GmbH