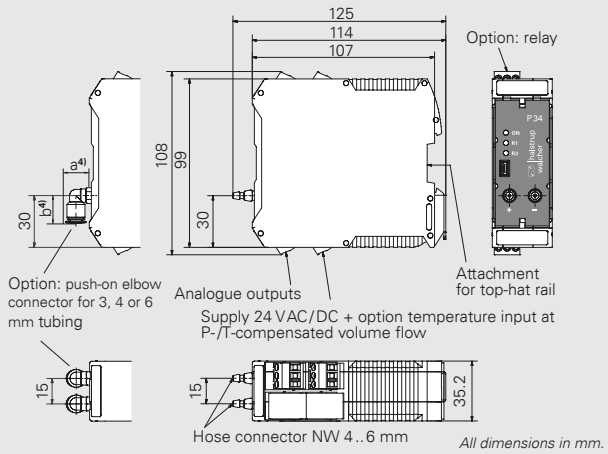
P34

halstrup walcher



4) Elbow connector	a	b
3 mm	10.5	11
4 mm	11.5	15.7
6 mm	14.0	16.3

Features

- Differential pressure transmitter with very small dimensions – ideal for control cabinet installation
- Zero-point correction prevents zero-point drift
- Built-in valve provides a high level of overpressure protection
- Volume flow can be configured via k-factor, dP_{max}/V_{max} or 20 individual values
- USB interface: via PC-software scaling, characteristic line form and many other parameters can be set
- Free software available at www.halstrup-walcher.de/en/software
- Delivery possible already completely integrated into the control cabinet (on request)

Optional

- P-/T-compensated volume flow (temperature analogue input and internal stat. pressure sensor)
- with relay
- with push-on elbow connector

Measurement ranges (also ± measurement ranges) others available upon request	10/50/100/250/500 Pa 1/2.5/5/10/20/50/100 kPa freely scalable from 10..100 % within a measurement range
Measurement accuracy 1)	± 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 measurement ranges ≥ 2.5 kPa 200 x measurement ranges < 2.5 kPa
Medium	air, all non-aggressive gases
Step response time (T63) (Time constant)	25 ms..60 s (adjustable)
Rated temperature range	10..50 °C
Storage temperature	-10..70 °C
Power consumption	approx. 6 VA
Weight	approx. 450 g
Connections	pluggable screw terminals (connection capacity 0.25.. 2.5 mm²)
Power supply	24 V AC/DC ± 10 %
USB interface	USB 2.0 Full-Speed Slave (Mini USB)
Protection class	IP20
Certificates	CE/UKCA

1) Measurement accuracy for the reference 0.3 Pa, for measuring ranges ≤ ±1.5 kPa

Order code	A	B	C	D	E	F	G
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Output 2) (linear / root extracted)	A
0..10 V (R_L ≥ 2 kΩ)	1
0..20 mA (R_L ≤ 500 Ω)	0
4..20 mA (R_L ≤ 500 Ω)	4

2) output signals can be configured freely

Measurement range	B
Measurement range e.g. 0..10 Pa, -10..50 mbar, ± 100 mmHg (etc.)	

Measurement accuracy	C
± 0.2 % FS 3)	2
± 0.5 % FS	5

3) for measurement ranges ≤ 25 kPa

Contact points	D
none	0
2 relays, max. 230 VAC, 6 A	2

Application	E
Standard	A
P-/T-compensated volume flow	B

Pressure connections	F
Hose connector NW 4/6 mm	0
Push-on elbow connector 3 mm	W3
Push-on elbow connector 4 mm	W4
Push-on elbow connector 6 mm	W6

Calibration certificate	G
none	0
Factory calibration	I
Calibration according to DKD R-6-1	D

Can be pre-set on request:
Time constant, relay parameter, analogue output root-extracted/linear, deactivation of the cyclic zeroing

Accessories: USB cable

Measured data for P-/T-compensated volume flow (optional)

Measured range absolute pressure	200 kPa
Accuracy absolute pressure	± 2.0 % FS
Temperature input	4..20 mA, R_i = 130 Ω Temperature range freely scalable