



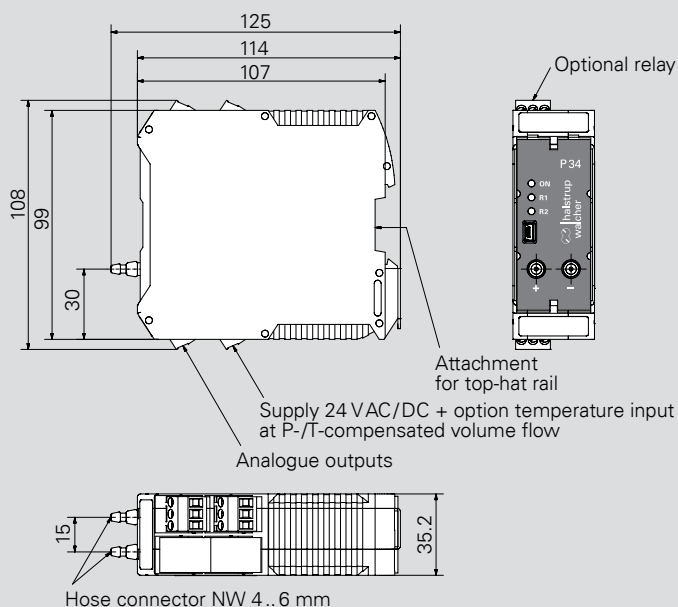
## Features

- Differential pressure transmitter with very small dimensions – ideal for control cabinet installation
- Optionally with temperature analogue input and internal stat. pressure sensor for P-/T-compensated volume flow
- Optionally with relay
- Volume flow can be configured via k-factor, dPmax/Vmax or 20 individual values
- With USB interface: via PC-software (password-protected), scaling, characteristic line form and many other parameters can be set
- Delivery possible already completely integrated into the control cabinet (on request)



## Easy Mounting:

The differential pressure transmitter P34 is particularly developed for space-saving mounting in control cabinets.



## Measured data differential pressure

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
Margin of error (0.3 Pa margin of error for reference)	±0.2 % or ±0.5 % of the scaled range (40..100 % of max. value) (min. 0.3 Pa)
Temperature coefficient span	0.03 % v. E./K (10..50 °C)
Temperature coefficient zero point	±0 % (cyclical 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
Sensor response time	25 ms
Time constants	25 ms..60 s (adjustable)
Operating temperature	10..50 °C
Storage temperature	-10..70 °C
Power consumption	approx. 6 VA
Weight	approx. 450 g
Connections	Screw terminals (connection capacity 0.25..2.5 mm <sup>2</sup> )
USB interface	USB 2.0 Full-Speed Slave (Mini USB)
Pressure ports	for tubing NW 4..6 mm
Protection class	IP20
Certificates	CE

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

Measured range absolute pressure	200 kPa
Accuracy absolute pressure	±2.0 % of max. value
Temperature input	4..20 mA, R <sub>i</sub> = 130 Ω Temperature range freely scalable

## Power supply

24 VAC/DC ± 10 %

Output (linear / root extracted)	A
0..10 V (R <sub>L</sub> ≥ 2 kΩ)	1
0..20 mA (R <sub>L</sub> ≤ 500 Ω)	2
4..20 mA (R <sub>L</sub> ≤ 500 Ω)	3

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

Margin of error	C
± 0.2 % <sup>2)</sup>	2
± 0.5 % <sup>2)</sup>	5

<sup>2)</sup> of the scaled range (40..100 % of max. value) (min. 0.3 Pa)

Contact points	D
none	0
2 relays (changeover contacts) max. 230 VAC, 6 A	2

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

Order code	A	B	C	D	E
P34	-	-	-	-	-

## Can be pre-set on request:

Time constant, relay parameter, analogue output root-extracted / linear, deactivation of the cyclic zeroing