P 26

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 ≤ 50 kPa) or ± 0.5 % FS
Temperature coefficient span	0.03 % FS/K (10 .. 50 °C)
Temperature coefficient zero point	± 0 % (cyclical zero-point correction)
Max. system pressure/ Overload capacity	600 kPa for measurement ranges ≥ 2.5 kPa 200 x for measurement ranges < 2.5 kPa
Medium	air, all non-aggressive gases
Step response time (T63) (Time constant)	25 ms .. 40 s (adjustable)
Rated temperature range	10 .. 50 °C
Storage temperature	-10 .. 70 °C
Power consumption	approx. 6 VA
Weight	approx. 750 g
Cable glands	3 x M 16
Pressure ports	for tubing NW 6 mm, others available on request
Protection class	IP 65, with USB: IP 40
Certificates	CE/UKCA

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

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
± 5 V (R_L ≥ 2 kΩ)	5

[2] output signals can be configured freely

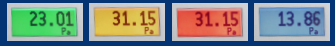
Power supply	B
24 V AC/DC ± 10 %	24ACDC
24 V AC ± 10 % (with galvanic separation)	24AC
230/115 V AC ± 10 %	230/115

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

Measurement accuracy	D
± 0.2 % of FS [3]	2
± 0.5 % of FS	S

[3] for measurement ranges ≤ 50 kPa

Display + keyboard	E
none	0
multi-coloured LCD and keyboard	LC



Contact points	F
none	0
air meter	1
2 relays (changeover contacts) max. 230 VAC, 6 A	2

Data interface	G
none	0
USB (data cable supplied)	U0
External zero-point calibration [4]	0X
External zero-point calibration [4] and USB (data cable supplied)	UX

[4] Supply voltage of 24 V DC required

Pressure connections	H
tube fitting 4/6	S
laboratory tube tail	L
Festo-Fittings 4 mm	K4
Festo-Fittings 6 mm	K6
cutting ring 6 mm	S6
cutting ring 8 mm	S8

Calibration certificate	I
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

Ordercode	A	B	C	D	E	F	G	H	I
P 26	–	–	–	–	–	–	–	–	–

Picture: Version with display

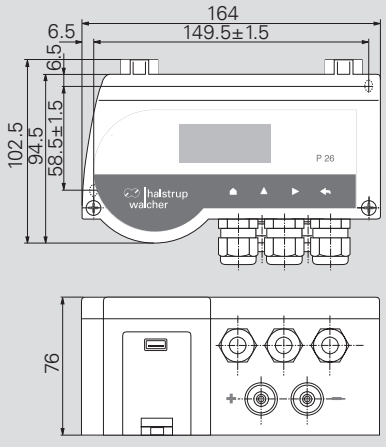
Features

- High precision differential pressure transmitter for air-conditioning, cleanroom and process
- Top-hat rail or wall mounting
- Wide range of units for pressure and volume flow
- Also ± measurement ranges
- Scalable measurement ranges and units
- Zero-point correction prevents zero-point drift
- Built-in valve provides a high level of overpressure protection
- Multilingual menu (English/French/German/Italian)
- Extensive configuration options using free parametrization software via internal RS232 interfaces

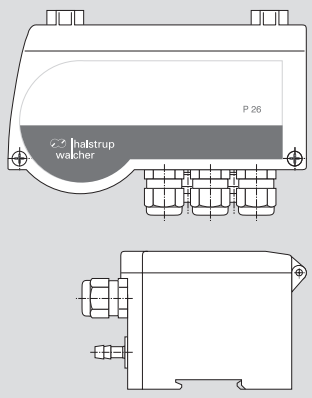
Optional

- Contact points with adjustable switching outputs
- Set the zero-point via an external interface
- Display and operating keys
- USB interface
- Air meter function

P26 with display



P26 without display



All dimensions in mm

MEASUREMENT OF DIFFERENTIAL PRESSURE

Measurement of differential pressure is useful in a broad range of applications. It is used in ventilation and air-conditioning technology but also in many areas of air handling process technology. halstrup-walcher offers a wide range of products for stationary measurement of differential pressure:

Product	P 26	P 34	P 29	PU / PI / PIZ	PS 27	PS 17
						
Application	High precision, freely scalable pressure transmitter for critical applications	Measuring transmitter with very small dimensions – ideal for the control cabinet	High precision, freely scalable pressure transmitter for natural gas	For standard applications. PIZ: in two wire technology	A basic sensor for simple applications	Differential pressure transmitter for basic applications
Housing installation	Mounted on a wall / top-hat rail					
Max. measurement range	± 100 kPa		0 .. 10 kPa	± 100 kPa	± 10 kPa	
Min. measurement range	± 10 Pa		0 .. 250 Pa	± 50 Pa		
Measurement accuracy [1]	± 0.2 % FS [2] (optional) ± 0.5 % FS (standard)			± 0.2 % FS [3] ± 0.5 % FS ± 1 % FS	± 3 % for measuring ranges < 100 Pa or ± 2 % for measuring ranges ≥ 100 Pa	± 1 % of the set final value plus ± 0,5 Pa for measuring ranges ≤ 250 Pa plus ± 1 Pa
Square-root (volume flow)	✓	✓ [2]	✓	-	-	✓
Display	optional	-	optional	optional	optional	optional

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

[2] for measurement ranges ≤ 50 kPa

[3] for measurement ranges ≥ 250 Pa and ≤ 50 kPa

ACCESSORIES

Connecting components

Silicone tubing ID 5 mm, OD 9 mm, red (please state length required)	9601.0160
Silicone tubing ID 5 mm, OD 9 mm, blue (please state length required)	9601.0161
Norprene tubing ID 4.8 mm, OD 8 mm, black (please state length required)	9061.0132
Y-piece for tubing NW 5mm	9601.0171

User software

You can set the parameters for our instruments or monitor and record measurements using a PC via a USB or RS 232 interface. These features are supported by our free user software. This also allows you to transfer your settings to other devices by saving and reusing them.

Our user software is compatible with the following pressure transmitters: P 26, P 34 and P 29.

You can download the file here:
www.halstrup-walcher.de/en/software