

Figure: Version with display

Product description

- » High-precision differential pressure transducer for cleanrooms, air conditioning and process technology
- » Precise measuring ranges from 10 Pa uni- and bidirectional
- » No zero point drift thanks to automatic zero point adjustment
- » Simple commissioning and variable installation (top-hat rail / wall mounting)
- » Several switching and analog outputs as standard
- » Extensive configuration options using free parameterization software via internal USB-C interface

Optional

- » T- or P-/T-compensation for precise full volume measurement incl. air consumption meter
- » Display + keyboard for local configuration
- » Switching outputs in relay version for direct switching of small and medium loads
- » M12 plug - pre-assembled electrical connection for even faster commissioning
- » Calibration certificate for complete documentation for the quality process

Order-code	A	B	C	D	E	F	G	H	I	J
P26.2	-	()	-	-	-	-	-	-	-	-

Output signal ⁴⁾ (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 .. 10 V (R _L ≥ 2 kΩ)	2

⁴⁾ 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 ⁵⁾	2
± 0.5 % FS	5

⁵⁾ for measurement ranges ≤ 50 kPa

Switching output	D
Potential-free semiconductor switches (2x NO contact)	1
Potential-free relay (2x changeover contact)	2

Additional feature	E
None	A
P-/T-compensated volume flow and air consumption meter function	B
T-compensated volume flow and air consumption meter function	C

Can be preset on request:
Time constant, zeroing interval, switching off cyclical zeroing, display language

Pressure connection	F
Barbed fitting 4/6 mm	0
laboratory tube tail DIN12898	L
Plug-in fitting 4 mm	K4
Plug-in fitting 6 mm	K6
Plug-in fitting 8 mm	K8
Compression ring fitting 6 mm	S6
Compression ring fitting 8 mm	S8

Power supply	G
24 VAC/DC ± 10 % 50/60 Hz	1
24 VAC/DC ± 10 % 50/60 Hz (with galvanic separation)	2
100 .. 240/277 VAC ± 10 % 50/60 Hz	3

Electrical connection	H
Cable glands	1
M12 plug, analog output / ext. zeroing (4-pin, A-coded) ⁶⁾	2
M12 plug, analog output / Switching output (4-pin, A-coded) ⁶⁾	3

⁶⁾ Only possible when "1" is selectet as power supply (G)

Display	I
None	0
LCD and keyboard	LC



Calibration certificate	J
None	0
Factory calibration	I
Calibration according to DKD-R 6-1	D

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 measurement range ≤ 50 kPa or ± 0.5 % FS
Temperature coefficient span	max. 0.03 % /K
Temperature coefficient zero point	± 0 % /K (cyclical/manual zero-point correction)
Max. system pressure/ Overload capacity	400 kPa for measurement ranges ≥ 2.5 kPa 200 x for measurement ranges < 2.5 kPa
Medium	air, all non-aggressive and non-flammable 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 ²⁾	DC: max. 4 W AC: max. 8 VA
Weight	approx. 750 g
Cable glands	3 x M 16 clamping range Ø 5 ... 10 mm
Pressure ports	see order code others on request
IP rating	IP65 according to IEC / EN 60529
Protection class	II ³⁾ according to IEC / EN 61140
Overvoltage category	II according to IEC / EN 60664-1
Pollution degree	2 according to IEC / EN 60664-1
Certificates	CE, NRTL according to UL/CSA 61010-1 in preparation

¹⁾ FS: Full Span - measuring range plus ± 0.3 Pa for measuring range end values ≤ 1.5 kPa
²⁾ Different values may occur for options with M12 plug; these can be found in the operating instructions.
³⁾ For power supply and switch output 24 V AC / DC (not galvanically isolated), protection class III applies.



Accessories and software

Accessories

Connection parts

Order no.

Silicone tubing ID 5 mm, AD 9 mm, red
(please state length required)

9601.0160

Silicone tubing ID 5 mm, AD 9 mm, blue
(please state length required)

9601.0161

Norprene tubing ID 4,8 mm, AD 8 mm, black
(please state length required)

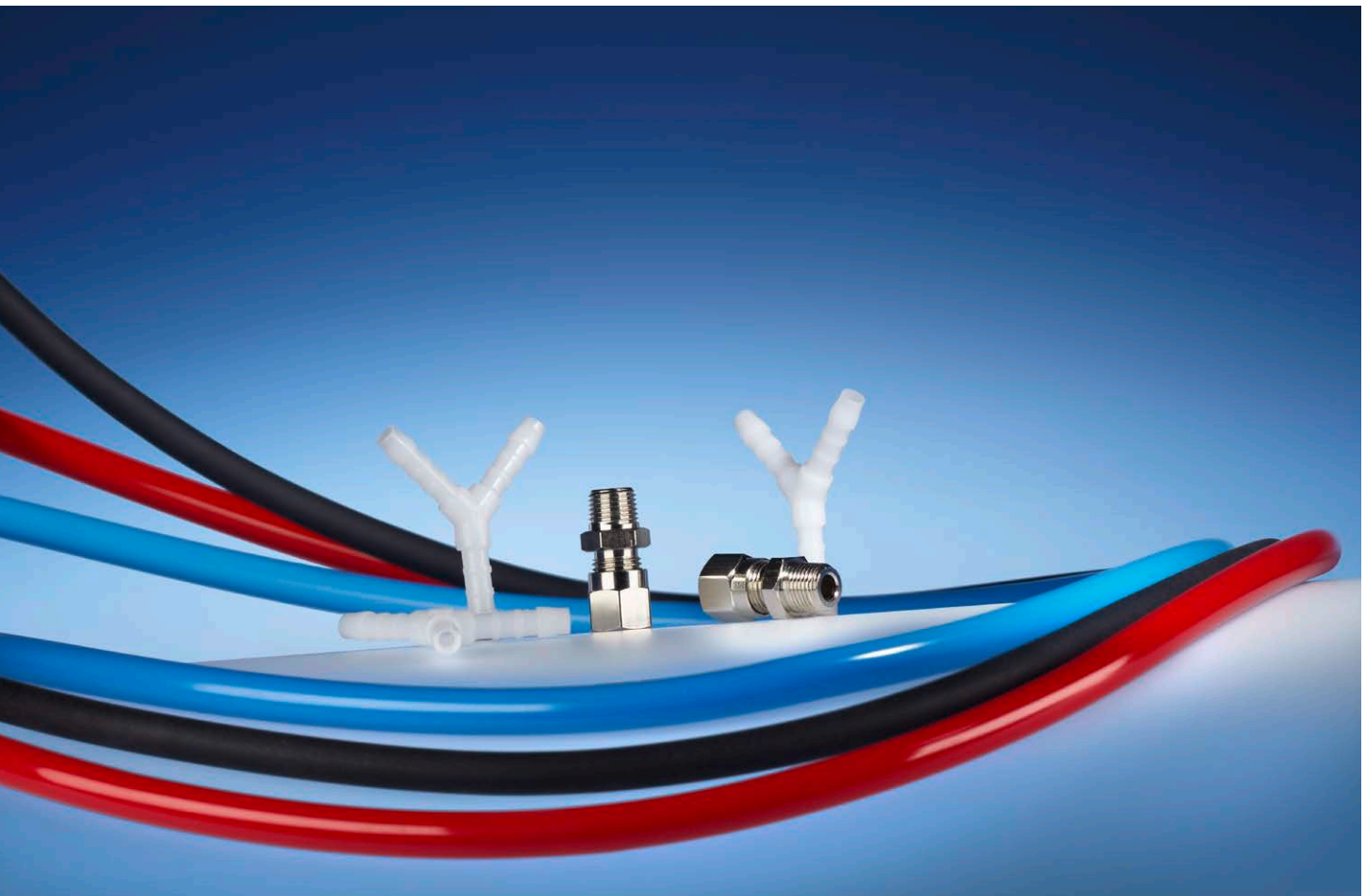
9061.0132

Y-piece for tubing, NW 5mm

9601.0171

Pressure connections

You can also obtain numerous customized pressure connections from us, e.g. various cutting ring fittings or hose nozzles.



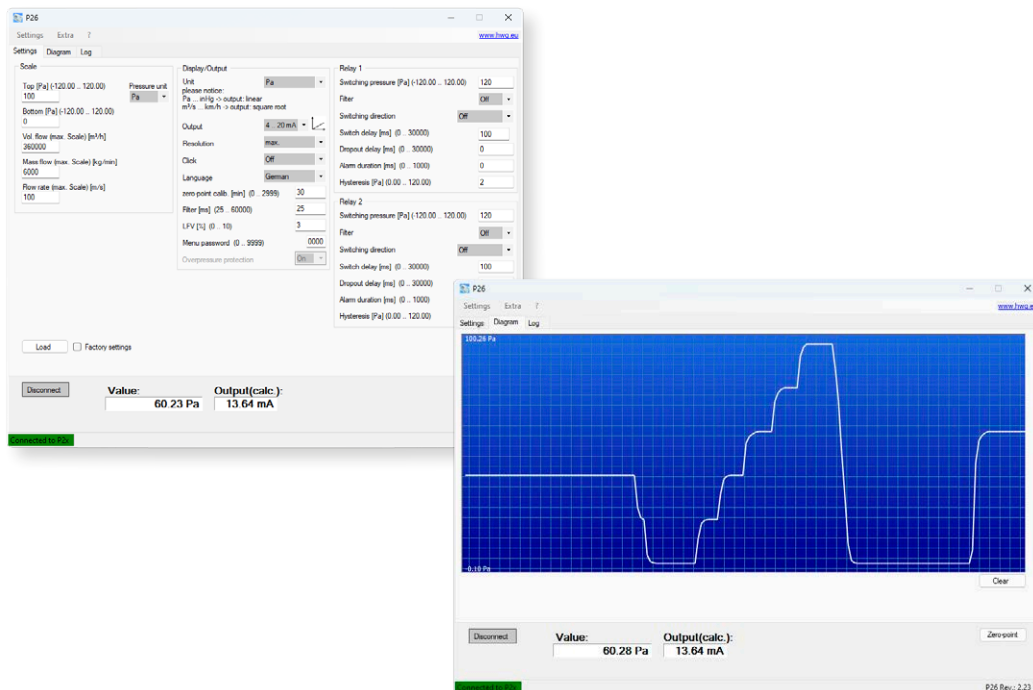
Application software

You can set the parameters for our instruments or monitor and record measurements using a PC via a USB or RS232 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 26.2, P 34 and P 29.2.

You can download the software here:

www.halstrup-walcher.de/en/software



Calibration services

You can also have our devices tested and confirmed in our accredited calibration laboratory in accordance with DKD-R 6-1 or as a factory calibration. Our trained experts will be happy to advise you on the calibration of our pressure measurement devices. Recalibration of third-party devices that are included in our scope of accreditation is also possible. If required, we offer adjustment for pressure measurement products manufactured by halstrup-walcher. In addition, we offer you further services within the scope of calibration, please contact us.

You can find more information at: www.halstrup-walcher.de/en/products/calibration.php



To place your order, please call us at

+49 7661 3963-0 or email us at

info@halstrup-walcher.com.

For additional contacts, please visit

www.halstrup-walcher.de/en/contact