

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

Measurement ranges (also \pm measurement ranges)	10/50/100/250/500 Pa 1/2.5/5/10/20/50/100 kPa freely scalable from 10..100 % within a measurement range
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Measurement accuracy ¹⁾	$\pm 0.2\%$ FS measurement range $\leq 50\text{ kPa}$ $\pm 0.5\%$ FS
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Temperature coefficient span	max. 0.03 %/K
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Temperature coefficient zero point	$\pm 0\%$ /K (cyclical/manual zero-point correction)
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Max. system pressure/ Overload capacity	400 kPa for measurement ranges $\geq 2.5\text{ kPa}$ 200 X for measurement ranges $< 2.5\text{ kPa}$
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Medium	air, all non-aggressive and non-flammable gases
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Step response time (T63) (Time constant)	25 ms..60 s (adjustable)
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Rated temperature range	10..50 °C
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Storage temperature	-10..70 °C
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Power consumption ²⁾	DC: max. 4 W AC: max. 8 VA
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Weight	approx. 750 g
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Cable glands	3 x M 16 clamping range Ø 5 ... 10 mm
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Pressure ports	see order code others on request
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IP rating	IP65 according to IEC / EN 60529
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Protection class	III ³⁾ according to IEC / EN 61140
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Overvoltage category	II according to IEC / EN 60664-1
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Pollution degree	2 according to IEC / EN 60664-1
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Certificates	CE / UKCA, NRTL according to UL/CSA 61010-1 in preparation
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¹⁾FS: Full Span - measuring range plus $\pm 0.3\text{ Pa}$ for measuring range end values $\leq 1.5\text{ kPa}$

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.

Can be preset on request:

Time constant, zeroing interval,
switching off cyclical zeroing,
display language

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

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

Measurement accuracy	C
$\pm 0.2\%$ FS ⁵⁾	2
$\pm 0.5\%$ FS	5

⁵⁾ for measurement ranges $\leq 50\text{ kPa}$

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

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P-T-compensated volume flow and air consumption meter function	B

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Additional feature	E

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Accessories and software

Accessories

Connection parts

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

Order no.
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)

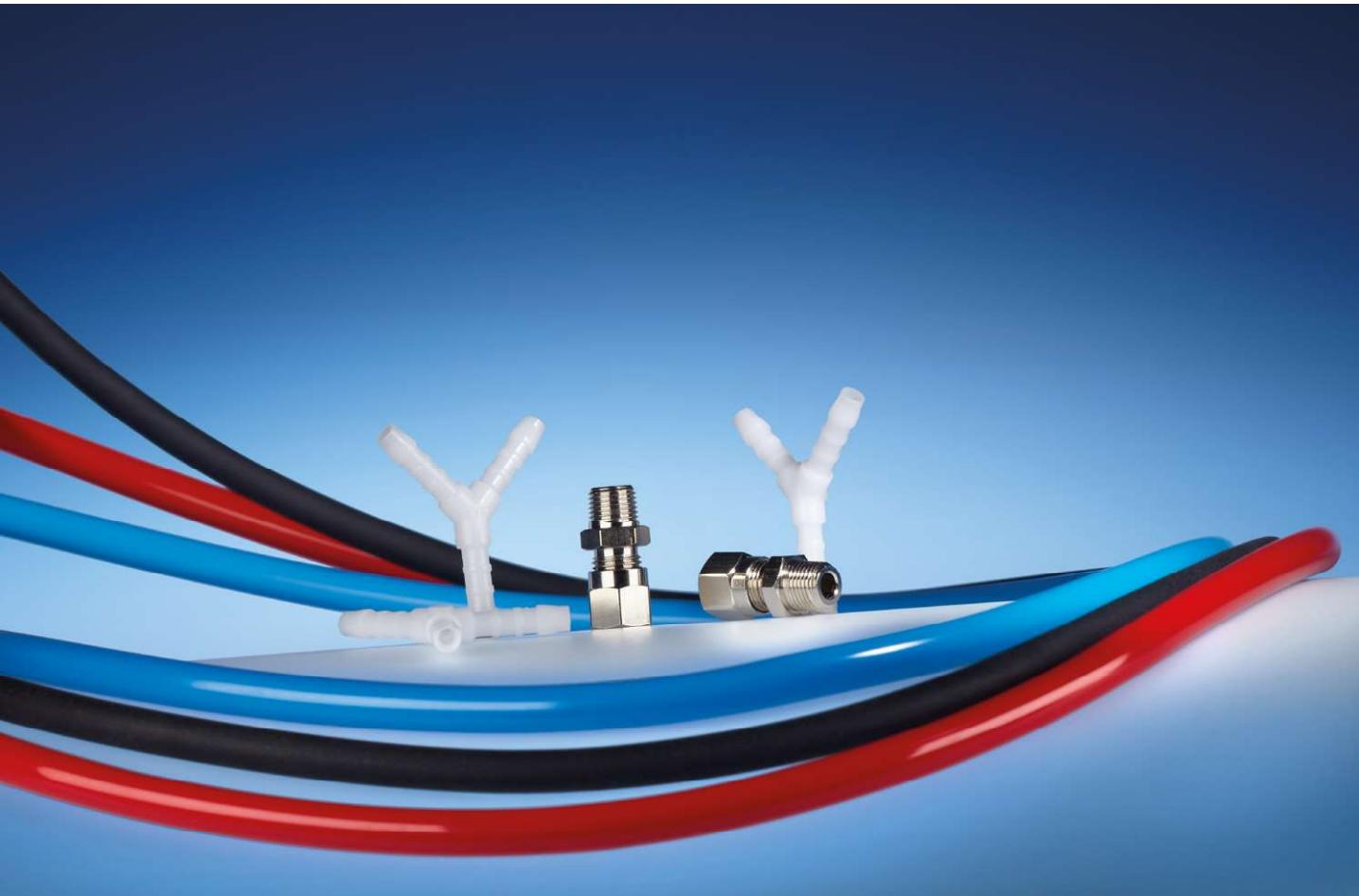
9061.0132

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.



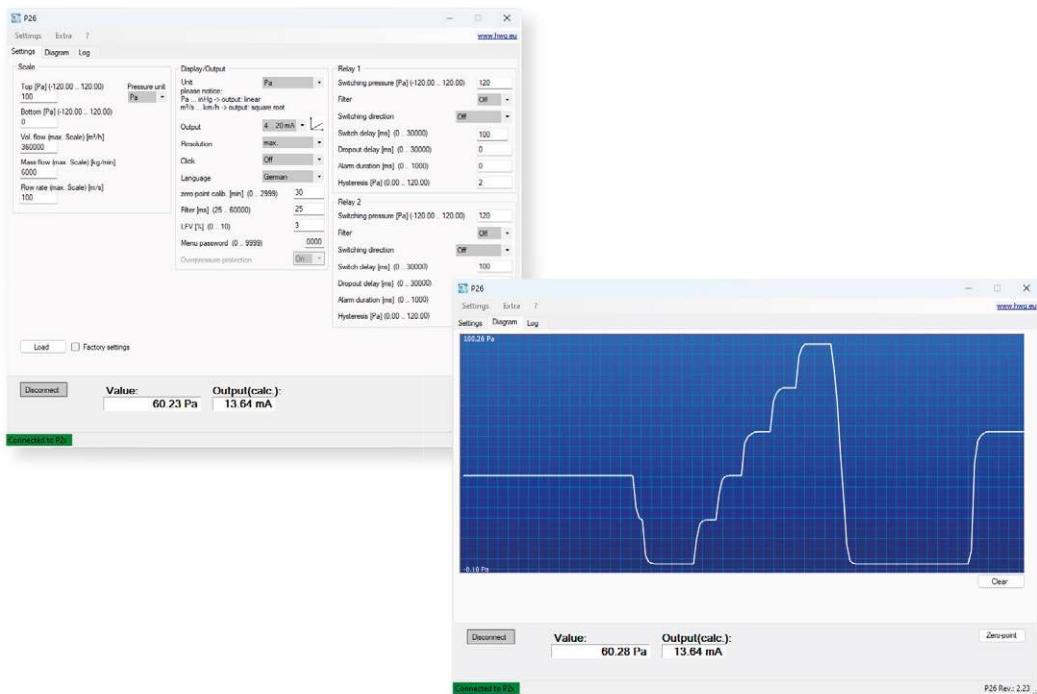
Application software

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