

Figure: Version with display

**Features**

- TÜV-tested differential pressure transmitter for natural gas
- Design changes and technical modifications keep ignition source and gas mixture safely separated (not suitable for Ex-applications)
- Scalable measurement range and display
- For pressure and volume flow measurement
- Zero-point correction prevents zero-point drift
- Built-in valve provides a high level of overload protection
- Also suitable for top-hat rail mounting
- Multilingual menu (English/French/German/Italian)
- Extensive configuration options via: internal RS232 interfaces by means of free parameterization software or optional display and operating keys

Order code	A	B	C	D	E	F	G
P29							

Output <sup>2)</sup> (linear/root-extracted)	A
0 .. 10 V ( $R_L \geq 2 \text{ k}\Omega$ )	1
0 .. 20 mA ( $R_L \leq 500 \Omega$ )	0
4 .. 20 mA ( $R_L \leq 500 \Omega$ )	4
$\pm 5 \text{ V}$ ( $R_L \geq 2 \text{ k}\Omega$ )	5

<sup>2)</sup> output signals can be configured freely

Power supply	B
24 VDC $\pm 10 \%$	24 DC

Measurement range	C
Measurement range e.g. 0 .. 250 Pa, 0 .. 100 mmHg (etc.)	

Measurement accuracy	D
$\pm 0.2 \%$ FS	2
$\pm 0.5 \%$ FS	S

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

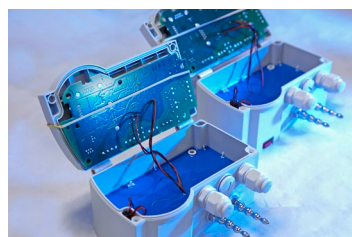


Tubing connections	F
standard for tubing ID 5 .. 8 mm	0
cutting ring coupling 6 mm	S6
cutting ring coupling 8 mm	S8

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

**Can be pre-set on request:**

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



Measurement ranges others available upon request	250/500 Pa 1/2.5/5/10 kPa freely scalable from 10 .. 100 % within a measurement range
Measurement accuracy <sup>1)</sup>	$\pm 0.2 \%$ FS or $\pm 0.5 \%$ FS
Temperature coefficient span	max. 0.03 % FS/K
Temperature coefficient zero point	$\pm 0\%$ (cyclical/manual zero-point correction)
Overload capacity	at least 200 times, but a maximum of 100 kPa
Medium	natural gas
Max. system pressure	100 kPa for all measurement ranges
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. 750 g
Cable glands	2 x M 16 clamping range $\varnothing 5 \dots 10 \text{ mm}$
Protection class	IP65
Certificates	CE/UKCA, EN1127-1:2019

<sup>1)</sup> Measurement accuracy for the reference 0.3 Pa, for measuring ranges  $\leq \pm 1.5 \text{ kPa}$



## Accessories and software

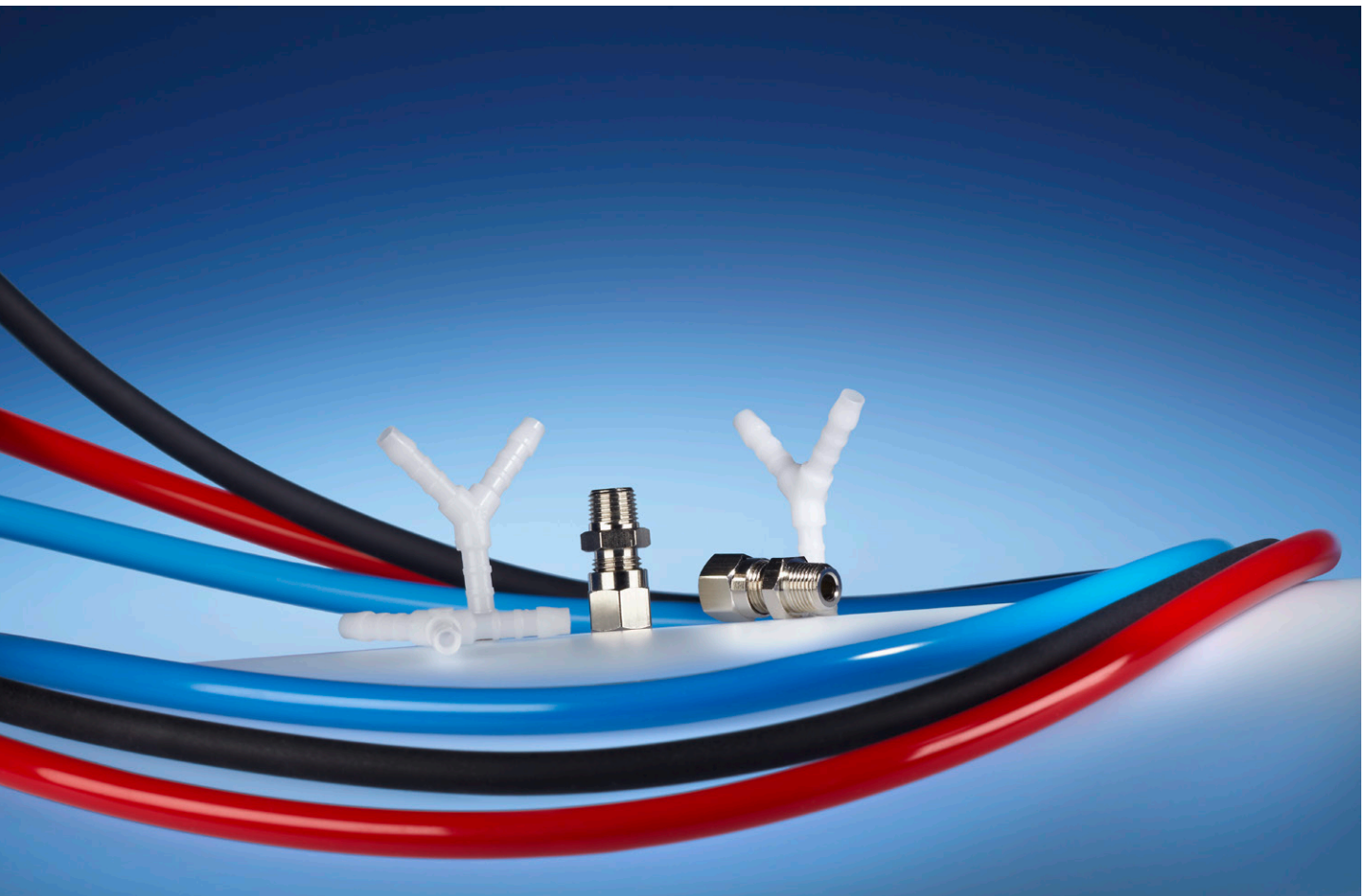
### Accessories

#### Connection parts

	Order no.
Silicone tubing ID 5 mm, AD 9 mm, red (please state length required)	9601.0003
Silicone tubing ID 5 mm, AD 9 mm, blue (please state length required)	9601.0004
Norprene tubing ID 4,8 mm, AD 8 mm, black (please state length required)	9061.0002
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.



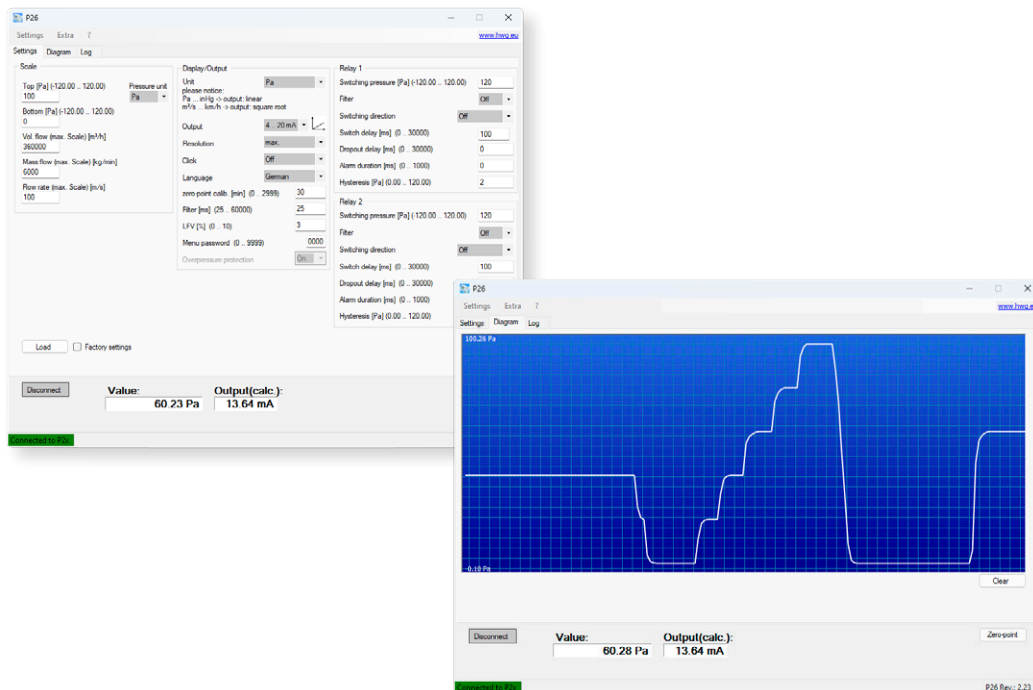
## Application software

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, P 34 and P 29.

You can download the software here:

[www.halstrup-walcher.de/en/software](http://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](http://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**