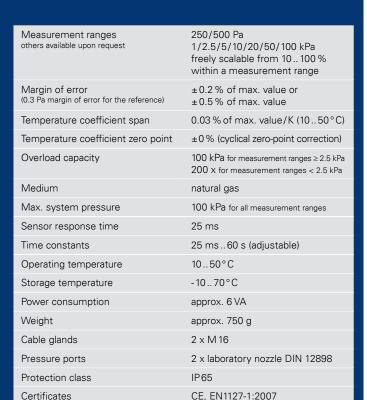
P29



Output (linear/ root-extracted) ¹⁾	Α
$010 \text{ V } (\text{R}_{\text{L}} \ge 2 \text{ k}\Omega)$	1
020 mA (R _L \leq 500 Ω)	0
420 mA (R _L \leq 500 Ω)	4
$\pm 5 \text{ V } (R_{L} \ge 2 \text{ k}\Omega)$	5

halstrup

Power supply	В
24 V DC ± 10 %	24 DC

1) output signals can be configured freely

Measurement range	С
Measurement range e.g. 0250 Pa, -1050 mbar, 0100 mmHg (etc.)	

Margin of error	D
± 0.2 % of max. value	2
±0.5% of max. value	S

Display + keybo	ard	E
none		0
multi-coloured L and keyboard	CD	LC
23.01 31.15	31.15	13.86

Tubing connections	F	
standard for tubing NW 58 mm	0	
cutting ring coupling 8 mm	S	

Order code	Α	В	С	D	E	F
P29	+	-				

Can be pre-set on request:

Time constant, relay parameter, analogue output rootextracted/linear, deactivation of the cyclic zeroing

TÜV-tested

As long as the customer observes the specified flushing process, special electronic encapsulation safely separates any ignition sources from flammable gas.



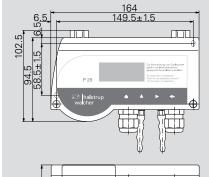


Features

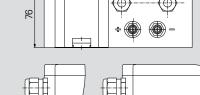
- TÜV-tested differential pressure transmitter for natural gas
- Design changes and technical modifications keep ignition source and gas mixture safely separated (not suitable for Ex-applications)
- Also ± measurement ranges
- · Scalable measurement range and display
- For pressure and volume flow measurement
- · 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)

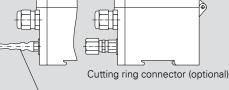
P29 with display

P29 without display









Laboratory nozzle in accordance with DIN 12898

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. The next pages show a number of these. You can find more information about our pressure sensor technology on p. 6.

halstrup-walcher offers a wide range of products for stationary measurement of differential pressure:

Product	PUC24	PUC 28 (K)	P26	P34	P29	PU/PI/PIZ	PS 27	REG21
Details on	р. 14	р. 15	р. 16	p. 17	р. 18	р. 19	p. 20	p. 21
	1555 1000 H		TITE .		N. O.	1996		Time 1
Application	Process monitoring for clean- rooms (Pa, °C, % rH), with stain- less steel front	Process monitor- ing panel aluminium, anodised (optional: with calibra- tion port) (Pa, °C, % rH)	High precision, freely scalable pressure transmitter for critical applications	Measuring transmit- ter 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 tech- nology	A basic sensor for simple appli- cations	Measure- ment and regulation of pressure
Housing installation	Installed in	wall (panel)		Mount	ed on a wall/top	o-hat rail		Rack
Max. mea- surement range	± 25	50 Pa	± 100 kPa					
Min. mea- surement range	± 10	00 Pa	± 10	0 Pa	± 250 Pa		±50 Pa	
Degree of measure- ment un- certainty (0.3 Pa margin of error for the reference)		5 % ¹⁾ ndard)	(opt ± 0.	2 % ¹⁾ ional) 5 % ¹⁾ ndard)	± 0.2 % ¹⁾ (optional) ± 0.5 % ¹⁾ (standard)	± 0.2 % ^{1) 2)} ± 0.5 % ¹⁾ ± 1 % ¹⁾	± 2 % (≥ 100 Pa) or ± 3 % (for 50 Pa) of the set value	± 0.5 % 1) ± 1 % 1)
Square- root (vol- ume flow)	-	-	√	√ 3)	√	-	-	-
Display	✓	✓	optional	-	optional	optional	optional	✓

¹⁾ of max. value

ACCESSORIES

Certificates (see p.42)	Order no.	User software
DAkkS calibration certificate (German) DAkkS calibration certificate (English) ISO factory calibration certificate	9601.0003 9601.0004 9601.0002	You can set the parameters monitor and record measur or RS 232 interface. These f
Connecting components		free user software. This also
Silicone tubing ID 5 mm, OD 9 mm, red (please state length required)	9601.0160	settings to other devices by Our user software is compa
Silicone tubing ID 5 mm, OD 9 mm, blue (please state length required)	9601.0161	sure transmitters: PUC 24,
Norprene tubing	9061.0132	P34 and P29.
(please state length required) Y-piece for tubing	9601.0171	You can download the file h

Pressure ports

We can supply a wide range of customer-specific pressure ports, e.g. various cutting ring couplings or hose connectors.

User software

rs for our instruments or rements using a PC via a USB features are supported by our so allows you to transfer your by saving and reusing them.

patible with the following pres-PUC28(K), P26,

here:

www.halstrup-walcher.de/en/software

²⁾ for measurement ranges ≥ 250 Pa

³⁾ optionally with stat. pressure sensor and temperature analogue output for compensation