

Measurement ranges	± 100 Pa or ± 250 Pa freely scalable within this range
Margin of error (0.3 Pa margin of error for the reference)	± 0.5 % of max. value
Temperature coefficient span	0.03 % of max. value/K (10..50 °C)
Temperature coefficient zero point	± 0 % (cyclical zero-point correction)
Overload capacity	200 x
Medium	air, all non-aggressive gases
Max. system pressure	10 kPa
Sensor response time	25 ms
Time constants	25 ms..40 s (adjustable)
Input signal humidity/temperature module (galvanically separated)	0..10 V, R _i = 470 kΩ 0/4..20 mA, R _i = 50 Ω adjustable
Operating temperature	10..50 °C
Storage temperature	-10..70 °C
Power consumption	approx. 7 VA
Weight	approx. 1 kg
Pressure ports	for tubing NW 3..6 mm
Protection class	IP65 (recessed in the wall)
Certificates	CE

Supply voltage

24 VDC, ± 10 % smoothed

Output

0..10 V (R_i > 2 kΩ)
0/4..20 mA (R_i < 500 Ω) adjustable

2 contact points, 6 A, 230 VAC,
may be configured as desired within this pressure range

Measurement range

A

± 100 Pa	0
± 250 Pa	1

Data interface

B

none	0
PROFIBUS DP (optional) ¹⁾	DP
RS 232 (optional)	2

¹⁾ GSD-Download at www.halstrup-walcher.de/en/software

Bus connection

C

none	0
9-pin Sub-D flush type connector ²⁾	D
sub-D plug with 150 mm cable	DK
round pin connector M 12 with 150 mm cable	RK

²⁾ not suitable for wall thicknesses greater than 5 mm

Order code	A	B	C
PUC 24	-	-	-

Can be pre-set on request:
Time constant, relay parameter, analogue output,
deactivation of the cyclic zeroing (only for PROFIBUS DP)



Features

- Cleanroom panel (stainless steel) for displaying air-conditioning data
- Integrated, high precision measurement of differential pressure
- %rH/°C transmitters switchable (independent of manufacturer)
- Optimum cleanroom design (TU Munich/Weihenstephan)
- Solvent resistant stainless steel surface
- 3 analog outputs, optional digital interface
- Acoustic alarm when the threshold value is exceeded, acknowledgement via key
- Optical alarm signal if critical values are exceeded (cyclically inversed/normal)
- Bilingual menu (English/German) (others on request)
- 2 contact points (6 A/230 VAC)
- 2 adjustable limit switches permit the connection of signalling devices and save additional wiring

