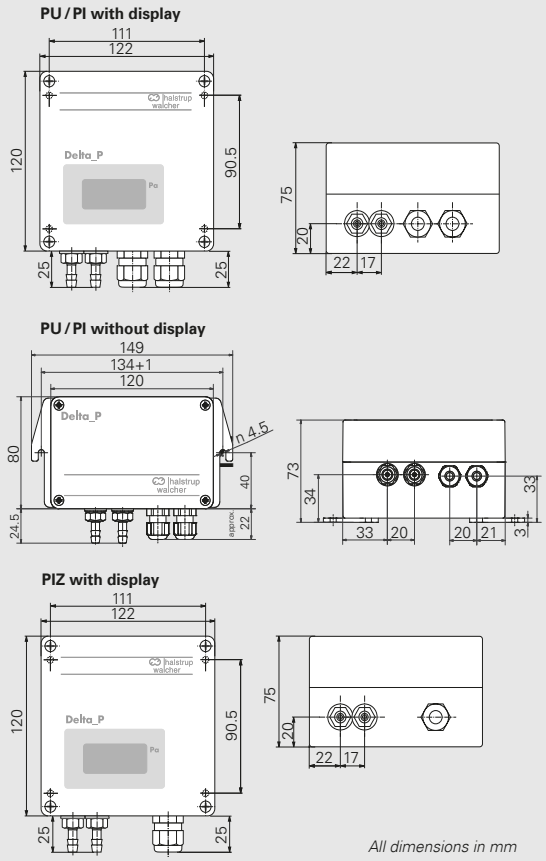
PI / PU / PIZ

halstrup walcher

Figure: Version with 3 1/2 digit display



Features

- Differential pressure transmitter with linear curve for air-conditioning applications
- Also available as a two-wire system *("PIZ" model)*
- Also for ± measurement ranges and asymmetric measurement ranges
- With optional LCD

Measurement ranges (also ± measurement ranges) others available upon request	50/100/250/500 Pa 1/2.5/5/10/20/50/100 kPa
Measurement accuracy [1]	± 0.2 % FS [2] only for measurement ranges ≥ 250 Pa and ≤ 50 kPa or ± 0.5 % FS [2], or ± 1 % FS
Temperature coefficient span	max. 0.04 %FS / K
Temperature coefficient zero point	max. ±0.04 % FS/K
Zero point stability	0.5 % FS/year
Overload capacity	10 x for measurement ranges ≤ 20 kPa 2 x for measurement ranges > 20 kPa
Medium	air, all non-aggressive gases
Max. system pressure	10 kPa for measurement ranges ≤ 10 kPa max. nominal pressure of the sensor for measurement ranges above 10 kPa
Step response time (T63) (Time constant)	20 ms (adjustable)
Rated temperature range	10 .. 60 °C
Storage temperature	-10 .. 70 °C
Power consumption	PU/PI: approx. 3 VA PIZ: max. 0.6 VA
Weight	approx. 0.8 kg
Cable glands others available upon request	PU/PI: 2 x PG 7 PIZ: 1 x PG 7
Pressure ports	for tubing NW 6 mm
Protection class	IP 65
Certificates	CE/UKCA

[1] Measurement accuracy for the reference 0.3 Pa, for measuring ranges ≤ ±1.5 kPa
[2] not for PIZ with ± measuring ranges

Order code	A	B	C	D	E	F	G

Model	Output	A
PU	0 .. 10 V (R_L ≥ 2 kΩ)	U
PI	0 .. 20 mA (R_L ≤ 500 Ω)	I0
PI	4 .. 20 mA (R_L ≤ 500 Ω)	I4
PIZ	4 .. 20 mA Zweileiter (R_L ≤ 50 [U_B (V) - 10 (V)] Ω)	IZ

Measurement range	B
Measurement range e.g. 0 .. 100 Pa, 0 .. 60 mbar, ± 110 mmHg (etc.)	

Measurement accuracy	C
± 0.2 % FS [2] only for measurement ranges ≥ 250 Pa and ≤ 50 kPa	02
± 0.5 % FS [2]	05
± 1 % FS	1

[2] not for PIZ with ± measurement ranges

Supply voltage	D
24 V DC, + 20 % / - 15 % [3]	24D
24 V AC, ± 10 % [3] (with galvanic isolation)	24A
115 V AC, ± 10 % [3]	115
230 V AC, ± 10 % [3]	230
10 .. 32 V DC (two-wire system) [4]	PIZ

[3] not for PIZ
[4] only for PIZ

Step response time	E
none	0
1 s	1
2 s	2
5 s	5

LCD	F
none	0
3 ½ digit (see foto)	3
4 ½ digit (only for PU / PI)	4

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