



Special features

- for positive and negative differential pressures
- highly accurate and stable for long periods
- little zero point drift or hysteresis;
largely independent of temperature
- also available as a two-wire system (PIZ model)

Technical data

measurement ranges (others available upon request)	50/100/250/500 Pa 1/2.5/5/10/20/50/100 kPa
margin of error	1 % of end value, 0.5 % of end value for measurement ranges ≥ 250 Pa, 0.2 % of end value for measurement ranges ≥ 250 Pa
deflection drift / temperature	0.04 %/K (+10 °C...+50 °C)
zero point drift / temperature	0.04 %/K (+10 °C...+50 °C)
zero point drift / time	0.5 %/year
overload capacity	10x for measurement ranges ≤ 20 kPa 2x for measurement ranges > 20 kPa
medium	air, all non-aggressive gases
max. system pressure	10 kPa for measurement ranges ≤ 10 kPa for measurement ranges > 10 kPa max. nominal pressure of sensor
sensor response time	20 ms
operating temperature	+10 °C... +60 °C
storage temperature	-10 °C... +70 °C
power consumption	approx. 3 VA
weight	0.8 kg
cable glands	PU/PI: 2xPG 7, others available upon request PIZ: 1xPG 7, others available upon request
pressure ports	for hose $\varnothing 6$ mm
protection class	IP 65
testing	CE, CSA

output signals		A	
0...10 V ($R_L \geq 2\text{ k}\Omega$)		U	
0...20 mA ($R_L \leq 500\text{ }\Omega$)		I0	
4...20 mA ($R_L \leq 500\text{ }\Omega$)		I4	
4...20 mA two-wire ($R_L \leq 50\text{ [}U_B\text{ (V)} - 10\text{ V]}\Omega$)		IZ	
measurement range	B	margin of error	C
measurement range (e. g., 0 ... 100 Pa, mbar, mmHg etc.)		1 % of end value	1
		0.5 % *, $\geq 250\text{ Pa}$ only	05
		0.2 % *, $\geq 250\text{ Pa}$ - $\leq 50\text{ kPa}$	02
		*of end value	
supply voltage			D
24 VDC, +20 % / -15%		24D	
24 VAC, +6 % / -15% (50/60 Hz)		24A	
115 VAC, +6 % / -15% (50/60 Hz)		115	
230 VAC, +6 % / -15% (50/60 Hz)		230	
+10...+32 VDC (two-wire system)		PIZ	
time constants	E	LCD	F
none	0	none	0
1 s	1	3 1/2 digit	3
2 s	2	4 1/2 LCD	4
5 s	5	(PU/PI only)	

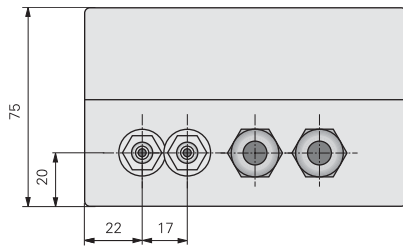
Order key

P	A	B	C	D	E	F
P	-	-	-	-	-	-
accessories						
☐ DKD calibration certificate, German	9601.-0003					
☐ DKD calibration certificate, English	9601.-0004					
☐ factory calibration certificate	9601.-0002					

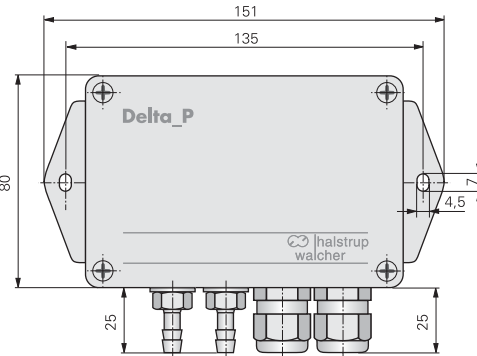
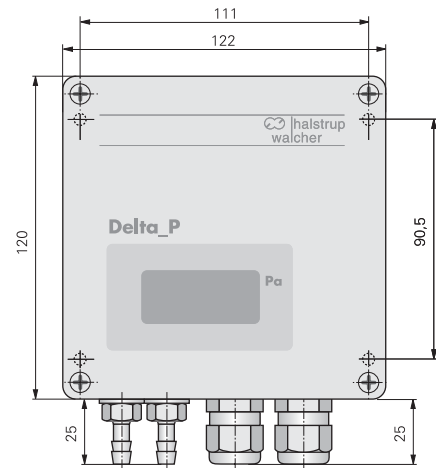
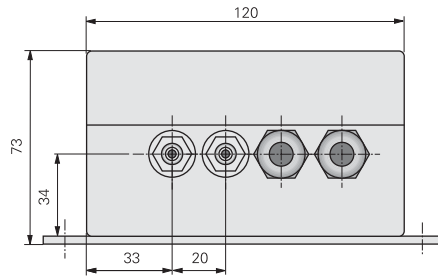
PU/PI/PIZ

Dimension drawing

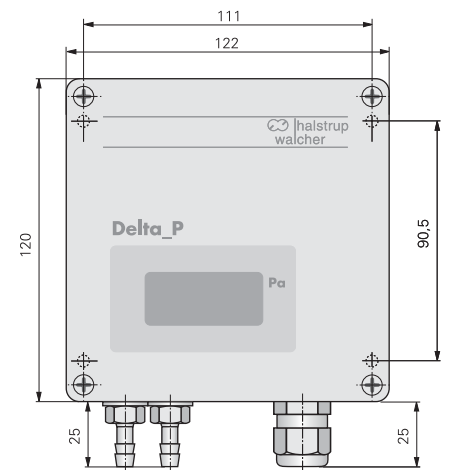
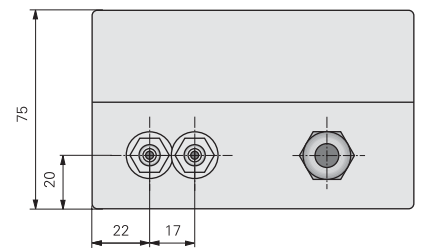
PU/PI with LCD



no LCD



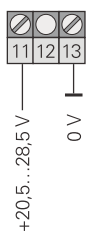
PIZ with LCD



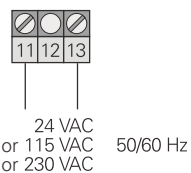
Connection diagram

PU/PI

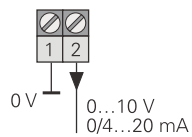
DC power supply



AC power supply



analogue outputs



PIZ

DC power supply
4...20 mA output

