

Differential pressure transmitter

PT-LE

Basic sensor for standard applications



Special features

- for positive and negative differential pressures
- little zero point drift or hysteresis; largely independent of temperature
- also for top-hat rail mounting
- Zero-point calibration can be run via an external signal
- switching contact with adjustable thresholds (optional)
- output signals selectable via jumper
- four measurement ranges selectable via jumper (optional)
- with LCD (optional)

Technical datas

measurement ranges (others available upon request)	100/200/500 Pa 1/2/5/10/20/50/100 kPa
margin of error	2 % of end value
deflection drift / temperature	0,1% / K
zero point drift / temperature	0,1% / K
overload capacity	12x for measurement ranges ≤ 20 kPa 4x 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
time constants	20 ms ... 4 s adjustable (factory provided)
operating temperature	0°C ... +60°C, with LCD 0°C ... +50°C
storage temperature	-10°C ... +70°C
power consumption	approx. 1 VA
weight	approx. 0,25 kg
cable glands	2 x M12
pressure ports	for hose \varnothing 4-6 mm
protection class	IP 65
testing	CE

output signals	A
0 ... 10 V ($R_L \geq 50$ k Ω)	1
2 ... 10 V ($R_L \geq 50$ k Ω)	2
0 ... 20 mA ($R_L \leq 500$ Ω)	0
4 ... 20 mA ($R_L \leq 500$ Ω)	4
0 ... 5 V ($R_L \geq 50$ k Ω)	5
output signals adjustable via jumper	
power supply	B
24 V AC/DC (without galvanic separation)	AC/DC
15 ... 32 VDC (two wire system)	ZWL
measurement range	C
standard (e. g. 0-100 Pa)	
switchable: 100, 250, 500, 1000 Pa	1
switchable: 250, 500, 1000, 2500 Pa	2
switchable: 1, 2,5, 5, 10 kPa	3
switchable: 10, 25, 50, 100 kPa	4
contact point (not for two-wire system)	D
none	S
1 switch relay max. 230 VAC, 6 A (min. required switching capacity 300mW)	1
LCD	E
none	0
4 digit	1

Order key

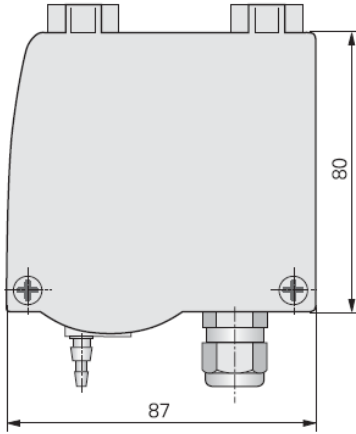
	A	B	C	D	E
PT-LE	-	-	-	-	-

accessories	
<input type="checkbox"/> DKD-calibration certificate, German	9601.-0003
<input type="checkbox"/> DKD-calibration certificate, English	9601.-0004
<input type="checkbox"/> factory calibration certificate	9601.-0002

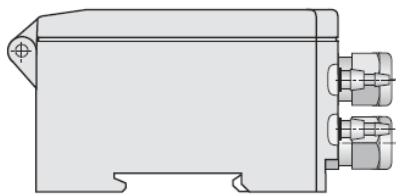
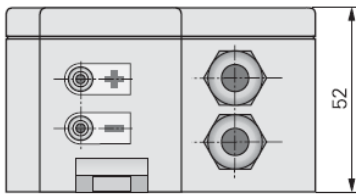
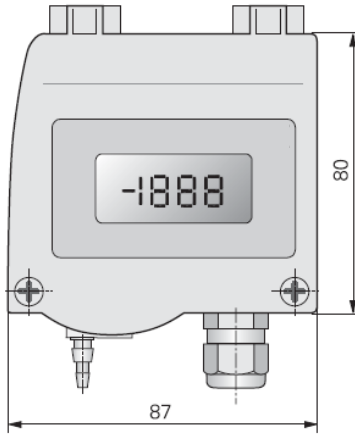
PT-LE

Dimension drawing

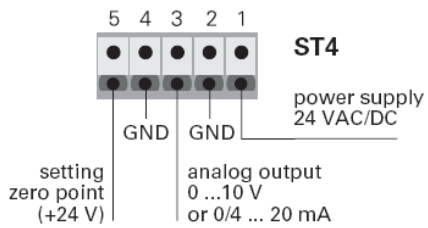
no LCD



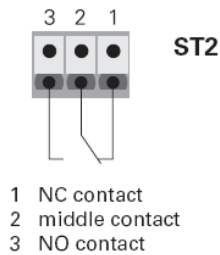
with LCD



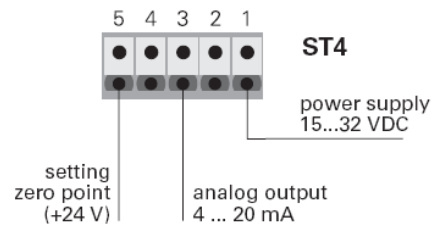
PT-LE connection diagram



PT-LE relay outputs



PT-LE connection diagram (two wire system)



**We represent this supplier.
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