

DIFFERENTIAL PRESSURE TRANSMITTER FOR LOW PRESSURE AND DIFFERENTIAL PRESSURE ABSOLUTE PRESSURE



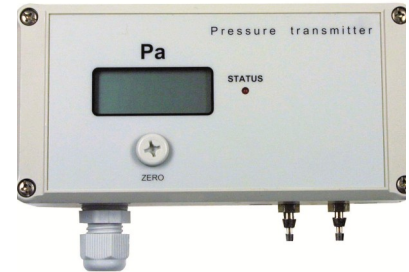
Measuring ranges 0...0,5 mbar up to 0...10 bar

Output signal 4-20 mA, 2-wire

Output signal 0-10 V, 3-wire

Piezoresistive measuring elements ensure high reliability and accuracy. An LED on the front panel alerts the user to pressure overload if the measuring range is exceeded.

Suitable for air and all non-aggressive gases



Application

Air conditioning and ventilation technology, fan control
Level monitoring
Environmental technology, mechanical and plant engineering
Air filter monitoring
Pressure control and regulation (e.g., pressurized cabins)
Medical technology

Type	5357 ... 420	5357...010	Options 5357...010
Output signal	4...20 mA, 2-wire	0...10 V, 3-wire	Transmitter analogue 4-20 mA, Burden resistance $R_B = 20...100 \Omega$
Power supply	15-30 VDC	24 VDC or 24 VAC	230 VAC +/- 10%
Pin assignment	Pin: 1: + 24 VDC 2: output 4-20 mA	Pin: 1: + 24 VDC/AC 2: output 0-10 V 3: GND	
Hysteresis	0,1 % (range 0...50 Pa 2%)		
Display	LCD, 3,5 digit, digit height 12,7 mm		
Sensor element	piezoresistive		
Electrical connection	Screw clamps for 0,14-1,5 mm ²		
Pressure connection	2 connections for hose 6 mm or 4 mm female Ø		
Cable gland	PG7		
Medium	only suitable for air and all non-aggressive gases		
Operating temperature range	-20°C up to +50°C		
Burden resistance	$R_B = 20... 400 \Omega$	$R_L \geq 2 \text{ k}\Omega$	
Protection	IP 65 acc. to EN 60529 / IEC 529		
Case	ABS		
Weight	approx. 200 g		

Type 5357

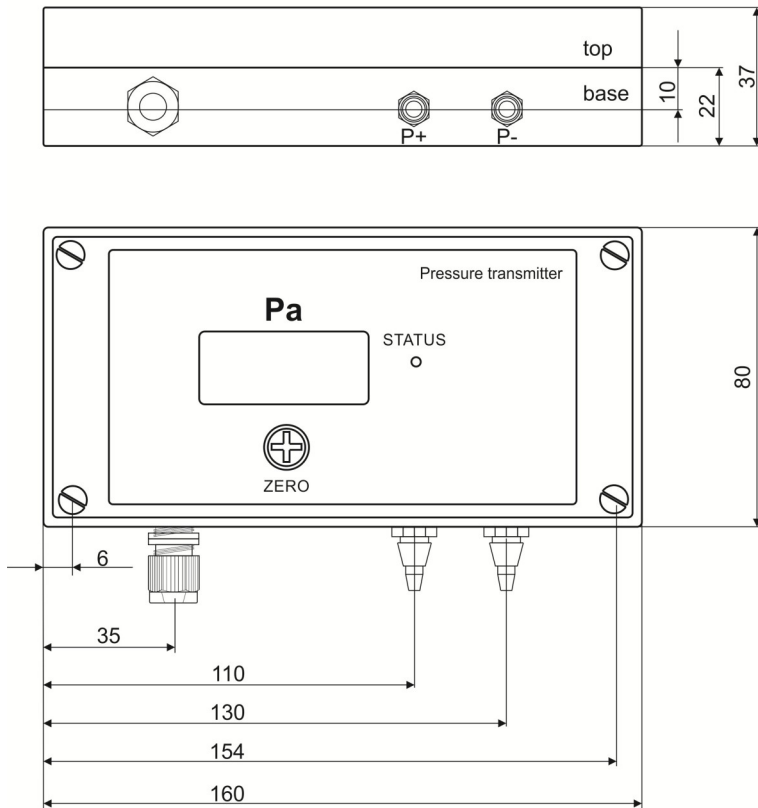
Dimensional drawings

Dimensions in mm



DRUCK & TEMPERATUR

Type 5357



Technical data differential pressure

Pressure range (mbar)	max. overload pressure(mbar)	Linearity error (±% v. EW)	Temperature error max. (±% v. EW) 0-50°C	Long term stability (% v.EW/year)	Repeat precision (%v.EW)	Response time of output (s) with damping
0 - 0,5	250	0,8	3	3	2	2,5
0 - 2,5	250	0,8	2	2	0,3	2,5
0 - 5	350	0,8	1	1	0,3	2,5
0 - 10	350	0,8	1	0,5	0,2	2,5
0 - 25	350	0,7	1	0,1	0,1	2,5
0 - 50	350	0,7	1	0,1	0,1	2,5
0 - 100	350	0,5	1	0,1	0,1	2,5
0 - 1000	3-fold	0,5	1	0,1	0,1	2,5
0 - 10 bar	1,2-fold	0,5	2	0,1	0,1	2,5

Technical data absolute pressure

700-1100	3-fold	± 0,9 mbar	2,3 mbar	0,1	0,1	2,5
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