

PRESSURE TRANSMITTER PU21, PI21



- ☐ Ceramic measuring cell
- ☐ Pressure range 0...1 bar to 0...100 bar relative
- ☐ Process connection G1/2"
- ☐ Excellent long term stability
- ☐ Compact design with connector
- ☐ Output 0...10 V in three-wire or 4...20 mA two-wire
- ☐ 13...30 Vdc power supply

The pressure transmitter PU21 or PI21 are designed to measure relative pressures in the range from 0 ... 1 bar to 0 ... 100 bar.

Media contacting parts are ceramic (Al₂O₃), Viton and stainless steel. The transmitter PU21 is ... 10 V performed in three-wire technology with output signal 0, the transmitter PI21 has an output of 4 ... 20 mA two-wire technology.

The electrical connection is made in both versions over an angular connector according to DIN 43650, the pressure port has a thread G 1/2 ".

Specifications

Measurement cell: monolithic ceramic technology

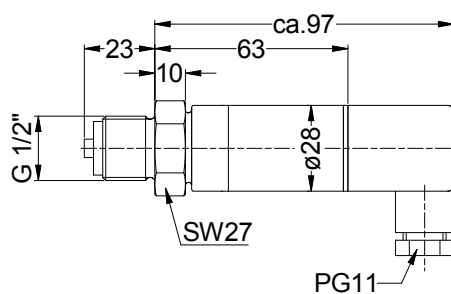
Contacted materials: ceramic Al₂O₃, viton, stainless steel

Measurement range:	max. excess pressure	bursting pressure
	bar	bar
0...1 bar	3	4
0...1,6 bar	3	4
0...2,5 bar	5	7
0...4 bar	8	15
0...6 bar	12	15
0...10 bar	20	35
0...16 bar	32	50
0...25 bar	50	70
0...40 bar	80	150
0...60 bar	120	150
0...100 bar	200	250

All versions are vacuum-tight

Output signal:	PU21 0...10 V, 3-wire technology PI21 4...20 mA, 2-wire technology
Supply voltage:	13...30 Vdc
Electrical Connections:	right-angle connector according DIN 43650
Protection class:	IP65 according EN 60529
Pressure Connections:	G1/2", SW 27
Medium temperature:	-40...+125 °C
Ambient temperature:	-40...+85 °C
Dimensions:	ø 28 mm, ca. 97 mm length (incl. plug)
Weight:	approx. 220 g
EMC:	tested according EN 61000-6-2, EN 61000-6-3, CE mark

Dimensions (mm)



Error tolerance

Total error	< 0,5 %
(Non-linear, hysteresis)	
Temperature drift zero point	< 0,2 %
(0...85 °C)	
Temperature drift span	< 0,15 %
(0...85 °C)	

Item no.

Pressure transmitter PU21

7720

Relative pressure measurement

Measurement range: **Customer-specific presetting required!**

Output: 0...10 V, 3-wire technology; supply voltage: 13...30 Vdc

Pressure transmitter PI21

7730

Relative pressure measurement

Measurement range: **Customer-specific presetting required!**

Output: 4...20 mA, 2-wire technology; supply voltage: 13...30 Vdc