

PRESSURE TRANSMITTER PU21, PI21



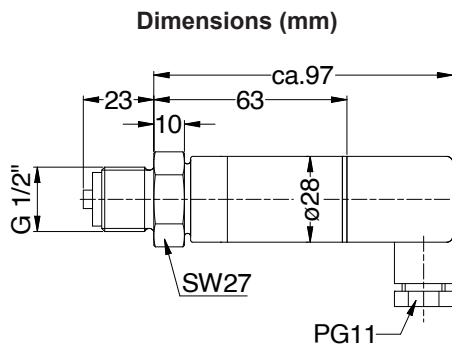
- ❑ Ceramic measuring cell
- ❑ Pressure range 0...1 bar to 0...100 bar relative
- ❑ Process connection G1/2"
- ❑ Excellent long term stability
- ❑ Compact design with connector
- ❑ Output 0...10 V in three-wire or 4...20 mA two-wire
- ❑ 13...30 Vdc power supply

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 ".

	ACCURACY / ERROR LIMIT:
Zero drift:	< 0.5 %
Sum of linearity and hysteresis:	< 0.5 %
Temperature drift zero point:	< 0.2 %
Temperature drift measuring range:	< 0.15 %



	TECHNICAL SPECIFICATIONS:
Operating mode:	Measuring mode
Measuring medium:	Relative pressure
Measuring principle:	Monolithic ceramic technology
Smallest measuring range:	0...1 bar
Largest measuring range:	0...100 bar
Measuring range:	0...1 bar, 0...1,6 bar, 0...2,5 bar, 0...4 bar, 0...6 bar, 0...10 bar, 0...16 bar, 0...25 bar, 0...40 bar, 0...60 bar, 0...100 bar
Measuring range selection:	factory preset
Characteristic:	linear
Ambient temperature:	-40...+85 °C
Storage temperature:	-25...+60 °C

	PHYSICALLY:
Dimensions:	ø 28 mm, ca. 97 mm lang (incl. plug)
Weight:	approx. 220 g
Protection class:	IP65 according EN 60529
Electrical connections:	Angel connector according DIN 43650
Pressure connections:	G1/2", SW 27

	ELECTRONIC:
Power supply:	13...30 Vdc
Output:	0...10 V, three-wire circuit

	CONFORMITY:
EMC:	EN 61000-6-2, EN 61000-6-3, CE-mark
RoHS:	according RoHS-directive 2011/65/EU

	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	