



Description

The sensors of series P21 are piezoresistive based on ceramic. Measurement cubicle has excellent long life stability and over load resistance. The transducers supply high accuracy during measure range and decrease the effect of hysteresis. Pressure transmitter's zero point which are designed from PNOMEK R&D engineers, can be set according to customer specifications.

- Long time stability thanks to piezoresistive ceramic cubicle measurement.
- Stainless body and ultra compact design.
- Excellent measurement between -1...600 bar.
- It can be set according to customer specifications.
- Normal it has double resistance to vibration compare to industrial standards.

Application

- Hydraulic and mobile hydraulics
- Pneumatics
- Heavy-Duty machines industry
- Media; Compressed air, liquids, gases.

Technical Features

Mechanical Connection Type : G1/4" G1/8" 1/4"NPT 1/8"NPT
Accuracy @ 25°C : < % $\pm 0,5$ FS
Signal Noise: $\leq \pm 0.2$ % of span
Working temperature : -20°C...+110°C
Reaction time : < 5 ms
Shock Test (DIN EN 60068-2-27:1993) : 30 g
Body Material : 304 Stainless
Viscosity Range : 10 ile 800 mm² /sec
Output : 4 ... 20mA, 0 ... 10V

Order Codes

<i>P21</i>	_____	_____	_____	_____	_____			_____
Model	Body	Leekageproof Type	Mechanical Connection Type	Electrical Con. Type	Pressure			Output Signal
					Code	Pressure Range (bar)	P _{max}	
<i>P21</i> Model Pressure Transmitter & Transducer	It is delivered as stainless steel 304 body	<i>N</i> NBR	<i>A3</i> G1/4"	<i>T1</i> DIN 43650 A Connection	<i>V0</i>	-1 ... 0	6 bar	<i>Z1</i> 4 ... 20 mA <i>Z2</i> DC 0 ... 10 V
					<i>V1</i>	-1 ... 1	6 bar	
					<i>V3</i>	-1 ... 3	6 bar	
					<i>V6</i>	-1 ... 6	15 bar	
					<i>V10</i>	-1 ... 10	30 bar	
					<i>V16</i>	-1 ... 16	45 bar	
					<i>V24</i>	-1 ... 24	75 bar	
			<i>2,5</i>		0 ... 2,5	6 bar		
			<i>6</i>		0 ... 6	15 bar		
			<i>10</i>		0 ... 10	30 bar		
			<i>T2</i> DIN 43650 C Connection	<i>16</i>		0 ... 16	45 bar	
		<i>25</i>		0 ... 25	75 bar			
		<i>40</i>		0 ... 40	100 bar			
		<i>60</i>		0 ... 60	130 bar			
		<i>100</i>		0 ... 100	250 bar			
		<i>160</i>		0 ... 160	350 bar			
		<i>250</i>		0 ... 250	600 bar			
		<i>315</i>		0 ... 315	700 bar			
		<i>400</i>		0 ... 400	700 bar			
		<i>600</i>		0 ... 600	1050 bar			
If you do not indicate any leekageproof type, It is delivered as "VITON"	<i>N3</i> NPT 1/8"		<i>T3</i> M12 x 1 (4 pin)					

Electrical Connection Type

2 cabled

3 cabled

T1 DIN 43650 A Wide Socket 30 x 30		UB	1	1
		0V	2	2
		S+	-	3
T2 DIN 43650 C Narrow Socket 16 x 16		UB	1	1
		0V	2	2
		S+	-	3
T3 M12 x 1 (4 PIN)		UB	1	1
		0V	3	2
		S+	-	3

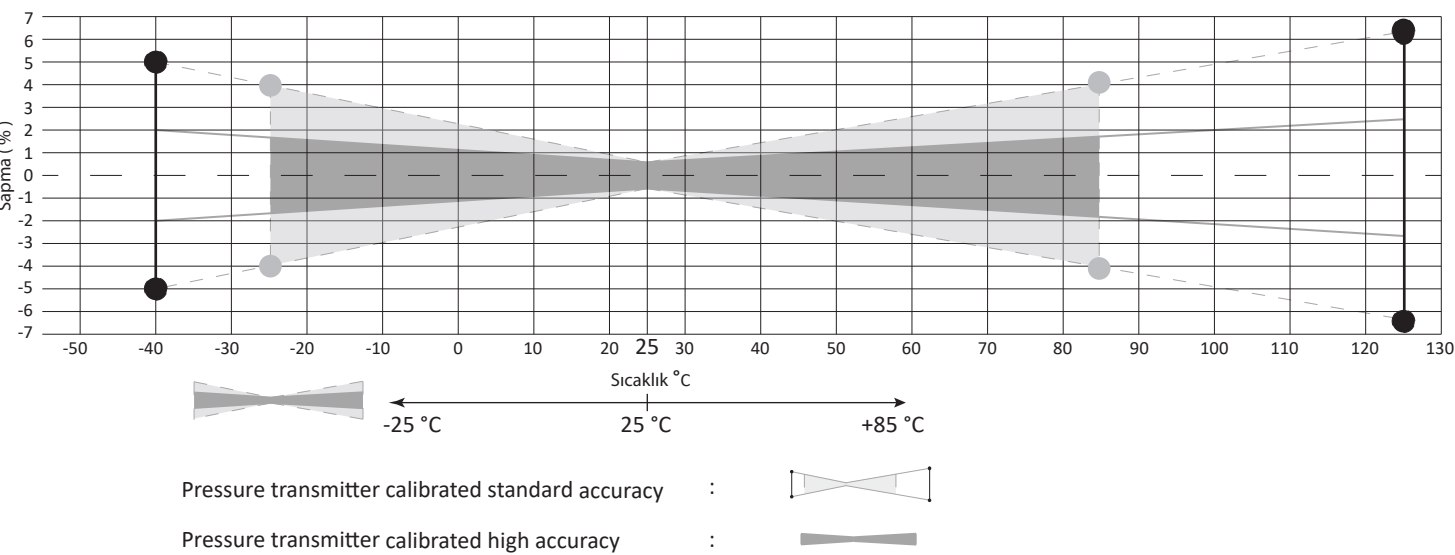
Technical Feature

Special Feature								
Parameters	Unit	Current		Voltage				Rasiometric
Output Signal	-	4 ... 20mA	4 ... 20mA (3 kablolu)	0 ... 10V	0 ... 5V	1 ... 5V	0,5 ... 4,5V	0,5 ... 4,5 V Rasiometric
Input Voltage	VDC	8 ... 30		14 ... 30	8 ... 30			5V ± % 10
Load	Ω	≤(Power supply - 8 V)/0,02 A		> Maximum output signal / 1mA				> 10k
Total current consume	mA	Current Signal, max. 25		8				8
Temperature accuracy 0 ... 80 °C	-	≤ % ± 1 FS						
Action Time	ms	< 5 ms						
Shock Testi	g	30						
Working Temperature	°C	- 20 °C ... 80 °C						
Mechanical Con.	-	G1/4" G1/8" 1/4"NPT 1/8"NPT						
Body Material	-	304 Stainless						

Not: If you have neccessary about the out of values, Please contact us.

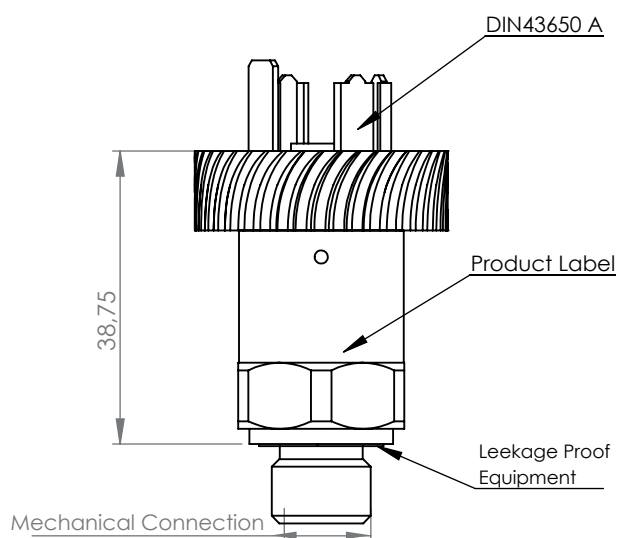
Accuracy Diagram

Temperature/Accuracy Diagram of P23 Series Pressure Transmitter that has Standart and Calibrated High Accuracy

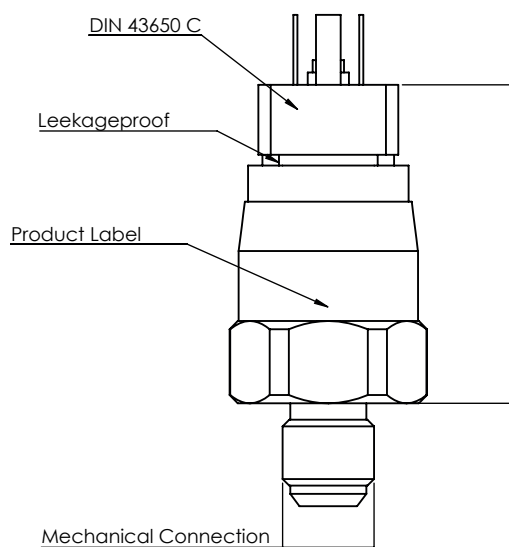


Technical Dimensions

Electrical Connection
T1



Electrical Connection
T2



Electrical Connection
T3

