



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

P21								
Model	Body	Leekageproof Type	Mechanical Connection Type	Electrical Con. Type	Code	Pressure Range (bar)	Pmax	Output Signal
P21 Model Pressure Transmitter & Transducer	It is delivered as stainless steel 304 body	N NBR	A3 G1/4" A4 G1/8" N4 NPT 1/4" N3 NPT 1/8"	T1 DIN 43650 A Connection T2 DIN 43650 C Connection T3 M12 x 1 (4 pin)	V0 V1 V3 V6 V10 V16 V24 2,5 6 10 16 25 40 60 100 160 250 315 400 600	-1 ... 0 -1 ... 1 -1 ... 3 -1 ... 6 -1 ... 10 -1 ... 16 -1 ... 24 0 ... 2,5 0 ... 6 0 ... 10 0 ... 16 0 ... 25 0 ... 40 0 ... 60 0 ... 100 0 ... 160 0 ... 250 0 ... 315 0 ... 400 0 ... 600	6 bar 6 bar 6 bar 15 bar 30 bar 45 bar 75 bar 6 bar 15 bar 30 bar 45 bar 75 bar 100 bar 130 bar 250 bar 350 bar 600 bar 700 bar 700 bar 1050 bar	Z1 4 ... 20 mA Z2 DC 0 ... 10 V

Electrical Connection Type

2 cabled3 cabled

T1 DIN 43650 A Wide Socket 30 x 30		UB1 0V2 S+3
T2 DIN 43650 C Narrow Socket 16 x 16		UB1 0V2 S+3
T3 M12 x 1 (4 PIN)		UB1 0V3 S+3

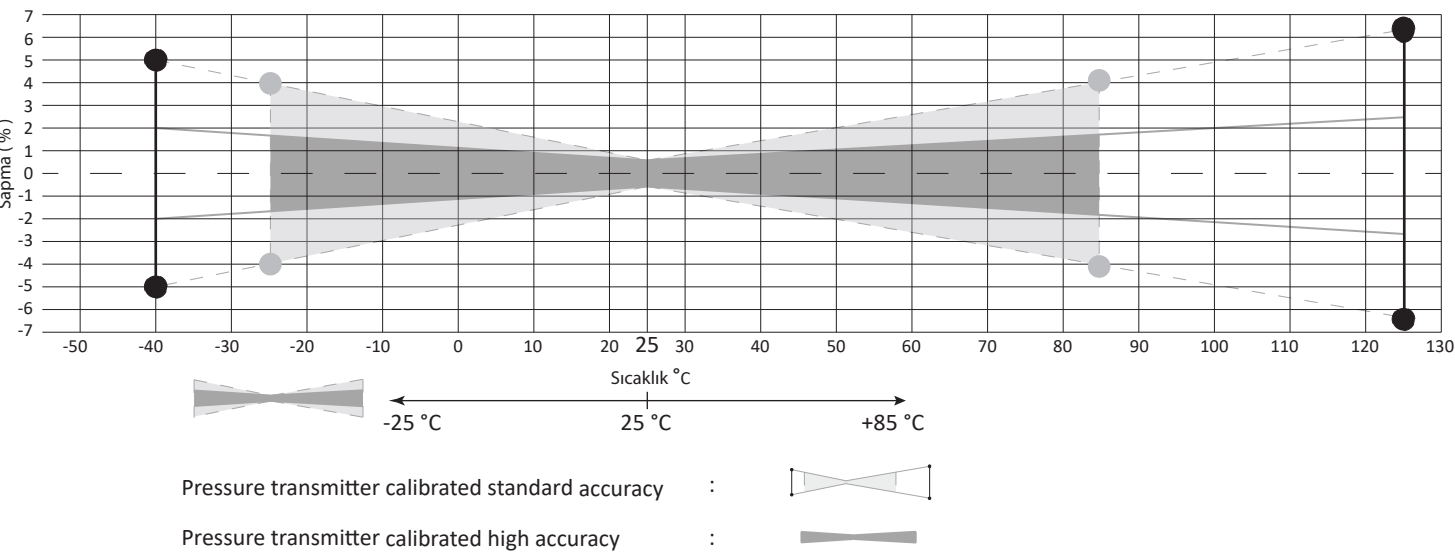
Technical Feature

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.

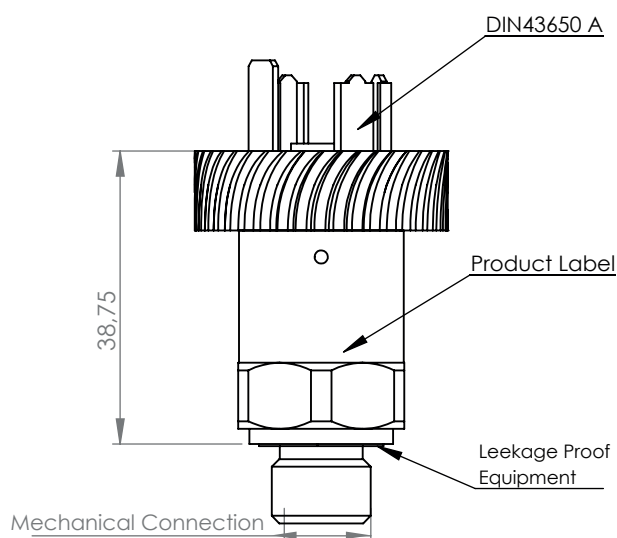
Accuracy Diagram

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

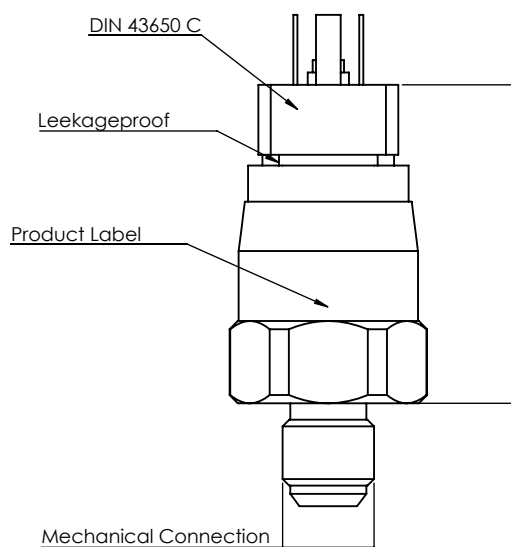


Technical Dimensions

Electrical Connection
T1



Electrical Connection
T2



Electrical Connection
T3

