



Description

The sensors of series P16 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 until 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.


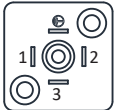

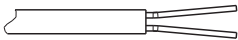
Technical Features

Mechanical Connection Type : G1/4" - G1/8" - 1/4"BSPT - 1/8"BSPT - M10x1,0 - M12x1,5 - 1/8"NPT - 1/4"NPT
Accuracy @ 25°C : < % $\pm 0,5$ FS
Working temperature : -20°C...+110°C
Reaction time t_v : < 5 ms
Shock Test (DIN EN 60068-2-27:1993) : 30 g
Body Material : 316L Stainless or Brass
Viscosity Range : 10 ile 800 mm² /sec
Output : 4 ... 20mA - 4 ... 20mA (3 cabled) - 0 ... 10V - 0 ... 5V - 1 ... 5V - 0,5 ... 4,5V - 0,5 ... 4,5V (Ratiometric)

Order Codes

P16	Model	Body	Leakageproof Type	Mechanical Connection Type	Electrical Con. Type	Pressure			Output Signal	Accuracy	
						Code	Pressure Range (bar)	P _{max}			
P16 Model Pressure Transmitter & Transducer	Y Brass "MS58"	N NBR E EPDM H HNBR	If you do not indicate any leakageproof type, It is delivered as "NBR"	A3 G1/4"	T1 DIN 43650 A	V0 V1 V3 V6 V10 V16 V24	-1...0 -1...1 -1...3 -1...6 -1...10 -1...16 -1...25	6 bar 6 bar 6 bar 15 bar 30 bar 45 bar 75 bar	Z1 4 ... 20 mA	F1 Pressure transmitter that is calibrated high accuracy (Please review Accuracy diagram for accuracy values). If accuracy type doesn't preferred, pressure transmier which is calibrated as standart accuracy, is delivered. (± %0.5 FS @ 25°C)	
				A4 G1/8"		T2 DIN 43650 C	2,5 6 10 16 25 40 60 100 160 250 315 400 600	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 15 bar 30 bar 45 bar 75 bar 100 bar 130 bar 250 bar 350 bar 600 bar 700 bar 700 bar 1050 bar		Z2 DC 0 ... 10 V
				S3 1/4" BSPT			T3 M12 x 1 (4 pin)	Z3 DC 0 ... 5 V			
				S4 1/8" BSPT	T4 Kablo Çıkışı 2 metre			Z4 DC 1 ... 5 V			
				B1 M10 x1,0		T5 Kablo Çıkışı 2 metre		Z5 DC 0,5 ... 4,5 V			
				B3 M12x1,5			Z6 DC 0,5 ... 4,5 V Rasiometric9				
				N3 1/8"NPT							
				N4 1/4"NPT							

Electrical Connection Type

		2 cabled		3 cabled	
T1 DIN 43650 A Wide Socket 30 x 30		U _B	1	1	1
		0V	2	2	2
		S ₊	-	3	3
T2 DIN 43650 C Thin Socket 16 x 16		U _B	1	1	1
		0V	2	2	2
		S ₊	-	3	3
T3 M12 x 1 (4 PIN)		U _B	1	1	1
		0V	3	3	3
		S ₊	-	4	4
T4 Cable output Cable height : 2 meter		U _B	Red	Red	Red
		0V	Blue	Blue	Blue
		S ₊	-	Brown	Brown

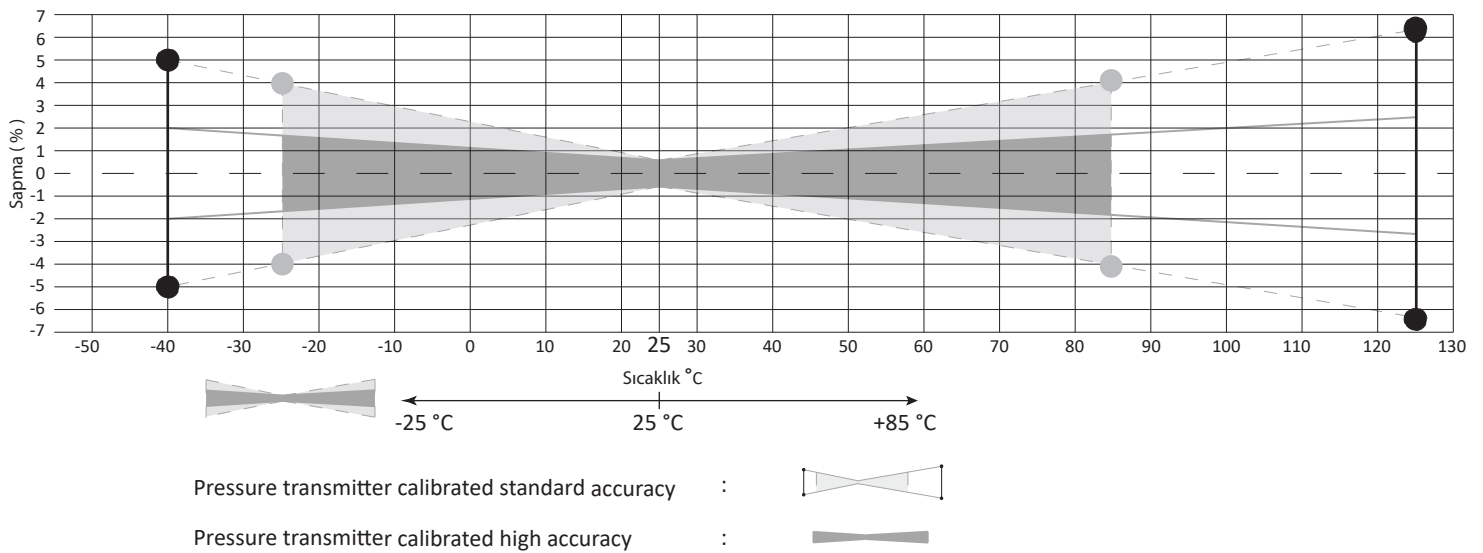
Technical Feature

Special Feature							
Parameters	Unit	Current		Voltage			Rasiometric
Output Signal	-	4 ... 20mA	4 ... 20mA (3 kablolu)	0 ... 10V	0 ... 5V	1 ... 5V	0,5 ... 4,5 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"BSPT - 1/8"BSPT - M10x1,0 - M12x1,5 - 1/8"NPT - 1/4"NPT					
Body Material	-	316L Stainless or Brass body options					

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

Accuracy Diagram

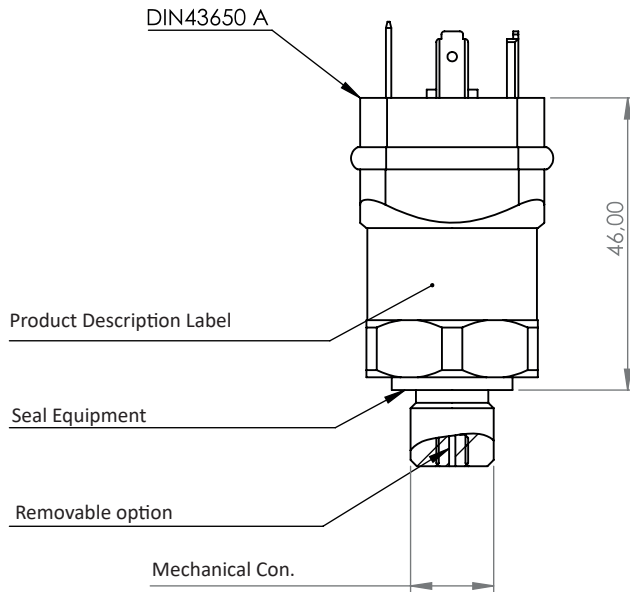
Temperature/Accuracy Diagram of P16 Series Pressure Transmitter that has Standart and Calibrated High Accuracy



Technical Dimensions

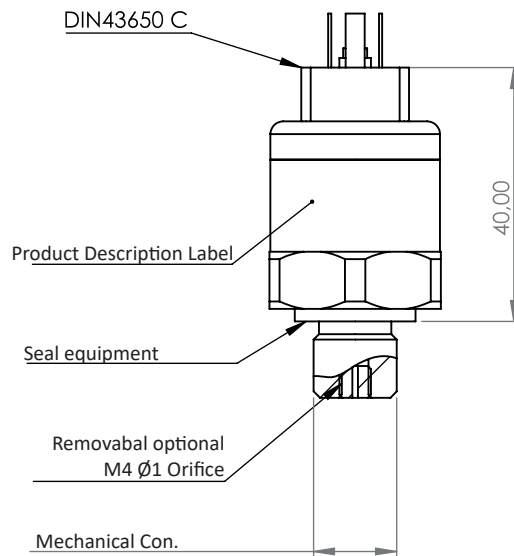
Electrical Connection

T1



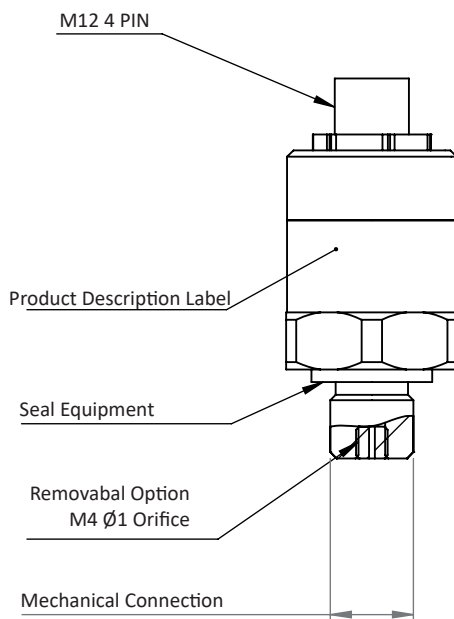
Electrical Connection

T2



Electrical Connection

T3



Electrical Connection

T4

