

PRAF Series

Relative pressure sensor with flush diaphragm
0 ... 0.4 - 60 bar

Ref : 4012

Rev :



DESCRIPTION

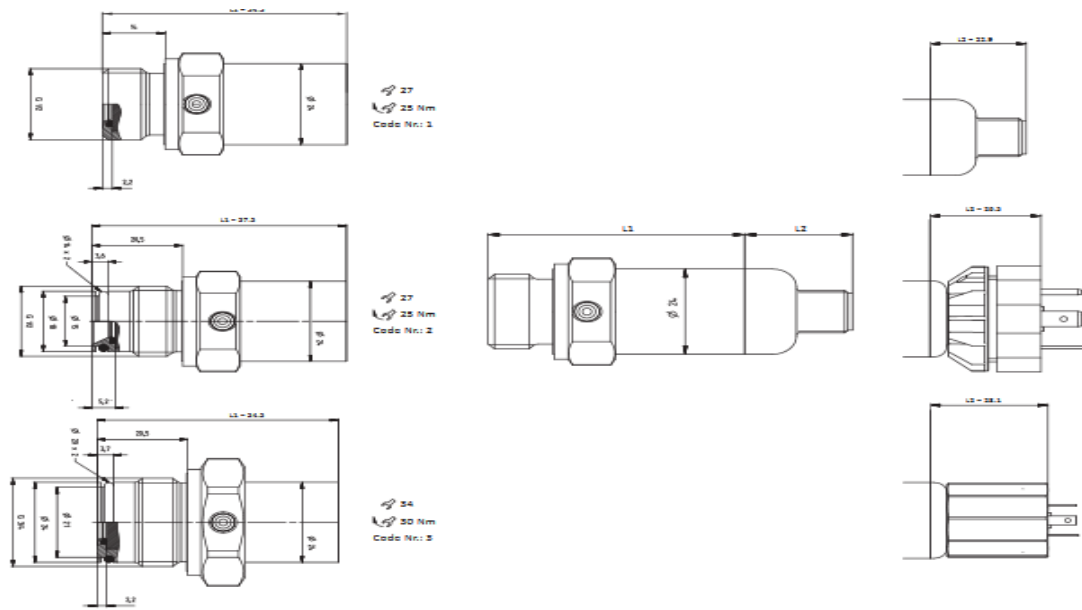
The pressure transmitters of the PRAF series are based on ceramic technology. They stand out because of their compact and robust design and very high measurement accuracy. The flush diaphragm allows use on viscous fluids. Various types of pressure and electrical connections are possible, and the pressure ranges go from 400 mbar to 60 bar full scale available.

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please [contact us](#).

TECHNICAL DATA

MODEL		Current output - mA	Ratiometry output	Amplified output – 5V	Amplified output – 10V
INPUT	BAR	0 – 0,4 0 – 0,6 / 1 / 1,6 / 2,5 / 4 / 6 / 10 / 16 / 25 / 40 / 60			
Pressure range	PSI	0 – 6 0 – 10 / 15 / 20 / 30 / 60 / 100 / 150 / 200 / 300 / 500 / 750			
Type of pressure		Relative			
Permissible overload		≤ 1.6 bar 3 x FSO / > 1.6 bar 3 x FSO (max. 4.8 bar)			
Burst pressure		≤ 1.6 bar 3 x FSO / > 1.6 bar 3 x FSO (max. 4.8 bar)			
Medium		Liquids, gases and pasty media			
Current absorbed		< 23 mA	< 5 mA	< 7 mA	< 7 mA
Power supply		10 – 30 Vdc	5 Vdc±10%	7 – 33 Vdc	12 – 33 Vdc
OUTPUT					
Full scale output		20 mA	Ratiom. 90%	5 V	10 V
Charge		$< \frac{\text{Supply voltage} - 10V}{0.02 A} \Omega$	> 10 kΩ / < 100 nF	> 10 kΩ / < 100 nF	> 10 kΩ / < 100 nF
Offset at 20°C		4 mA	Ratiom. 10%	0 V	0 V
Precision		± 0.3% FSO			
Insulation level		> 1000 Vdc			
Response time		< 5 ms t			
Pressure cycles		< 100 Hz			
ENVIRONMENT					
Room temperature		-25°C to 85°C			
Medium temperature		-25°C to 125°C			
Compensation temperatures		-25°C to 125°C			
Temperature behaviour		≤ ± 0.15% ME / 10k °C			
PHYSICAL CONNECTION					
Pressure connection		G1/2 Male connector	G1/2 G3/4	Rear sealing DIN 3852-E Dual sealed Dual sealed	
Electrical connection		DIN EN 175301-803-A or C connector (industry standard 9.4 mm) M12x1 connector		IP 65 IP 67	Class III Class III

DIMENSIONS (mm)

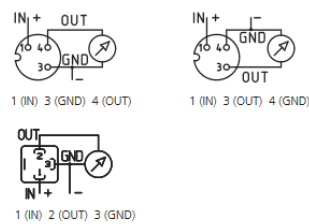


ELECTRICAL CONNECTIONS

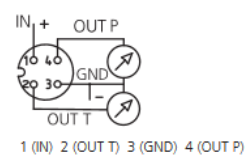
2-wire output



3-wire output

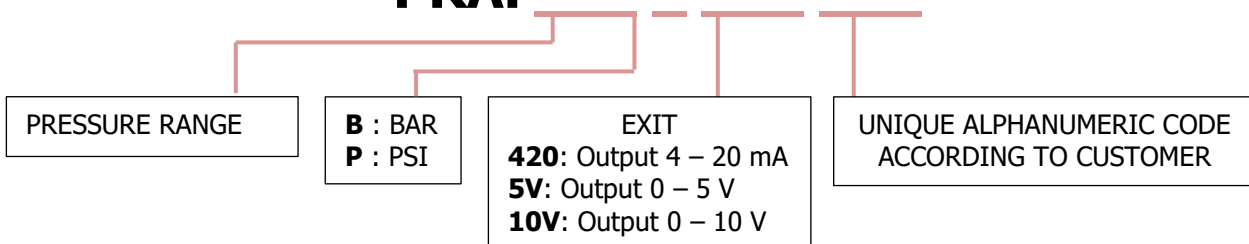


4-wire output



ORDER INFORMATION

-PRAF



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