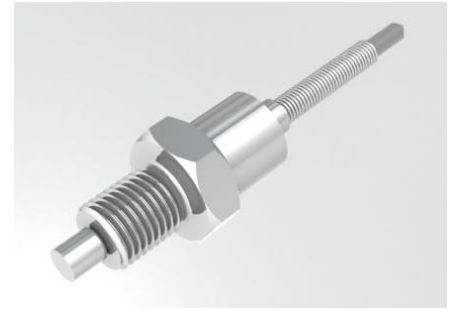


PK Series

Miniature Pressure Sensor

Ref: 505

Rev: D



DESCRIPTION

These miniature pressure sensors are designed for static or dynamic pressure measurements of pressure, in corrosive conditions. Entirely made of stainless steel, these levelling membrane sensors are compatible with a great number of corrosive or conducting fluids.

Integrated electronics makes it possible to deliver an analogical tension signal.

MEASURING RANGES

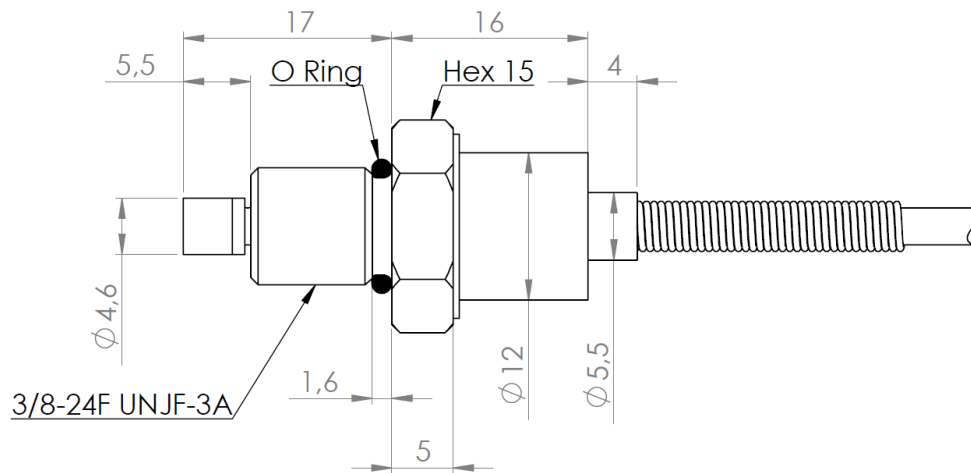
PRESSURE RANGES (FS in PSI)	PRESSURE RANGES (FS in BAR)	OUTPUT FS	Linearity or hysteresis	Thermal Zero Shift / 60°C	Thermal Sensitivity Shift / 60°C
1 500	100	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
2 000	140	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
3 000	200	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
5 000	350	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
7 500	520	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
10 000	690	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS
15 000	1035	3 Vdc $\pm$ 60mV	$\pm$ 0.25% FS	< 2.5% FS	< 2% FS

TECHNICAL CHARACTERISTICS

PARAMETERS	VALUES	NOTES
Supply voltage	5 Vdc regulated	
Pressure type	Relative, Absolute, Sealed	
Max overpressure	1.5x FS	
Repeatability	0.2% of FS	
Operating Temperature	-40°C to +120°C	
Compensated Temperature	-40°C to +120°C	
Insulation	> 100M Ω / 50Vdc	
Zero offset at 20 °C	0 Vdc $\pm$ 150 mV	
Electrical Input	< 15 mA	
Electrical Output	< 10 Ω	
Material	Stainless Steel	
Output	SI3-4 cable	Length: 2 meters standard
Vibration	50G	
Shock	2G during 11ms	10 000G during 1ms
Resonance Frequency	100 kHz to 800 kHz	
Index of Protection	IP50	
Weight	14 grams	
Mechanical characteristic	Body and membrane laser welded	
Seal	O Ring 3-903 E540-80	1.63x7.65 EPDM
	Following SAE AS5202 standard (Supersedes MS33649)	
Options	Consult us	

DIMENSIONS

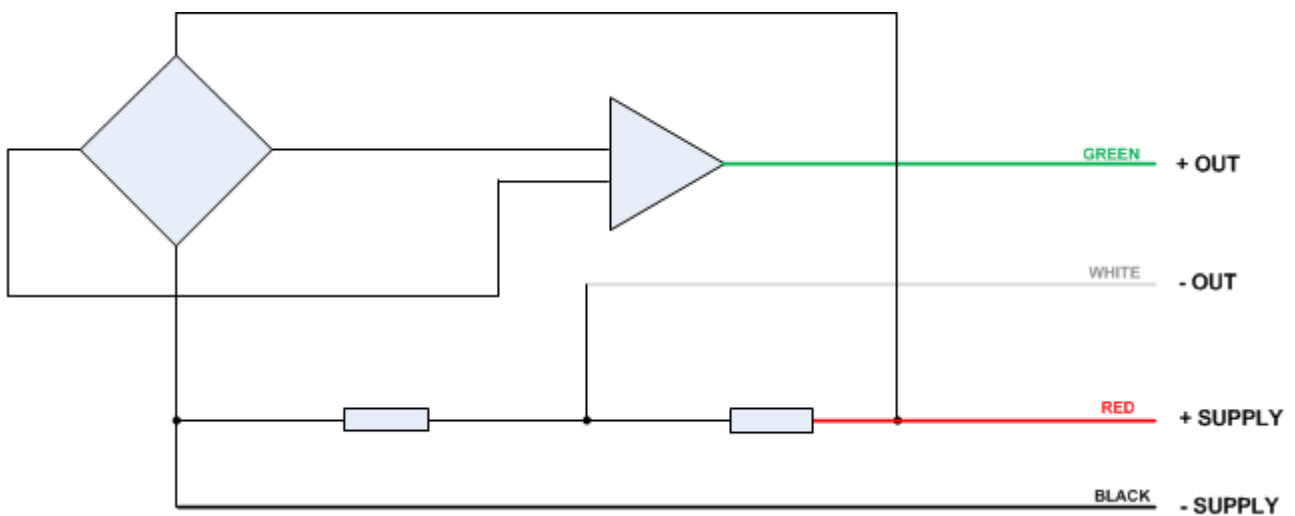
P-KC—KP3V



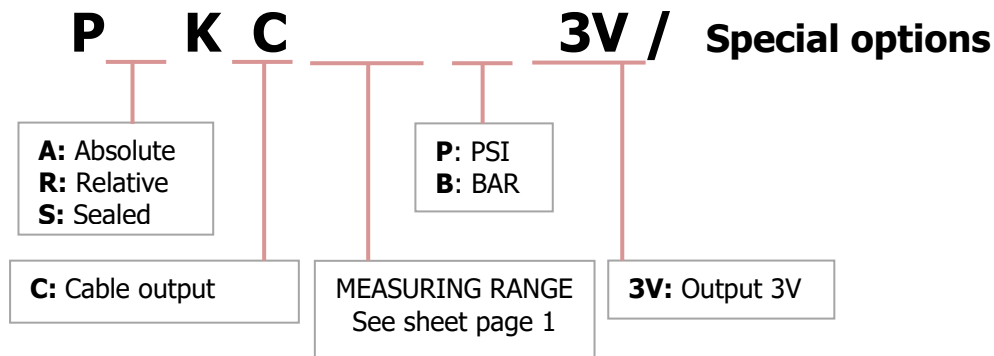
Mounting torque: **2 Nm** nominal **10 Nm** max

WIRING

P-K—KP3V



ORDERING INFORMATION



• Special options

OPTION	FEATURES
Cable Length	None : 2 meters (standard) value = Length in meters (M) or feet (F)
Compensated temperature	C1 : 0°C to 60°C C2 : -20°C to 100°C None : -40°C to 120°C (standard)

Example: **PSKC15KP3V**

- Thread : 3/8-24f UNJF-3A
- Measuring Range : 15 000 PSI
- Sealed
- Cable output : 2 meters
- Supply : 5V regulated
- Output : 3V
- Compensated Temperature : -40°C to 120°C

CONTACT

MESUREX

13 Rue des Corroyés
78730 Saint Arnoult en Yvelines (France)

Tel : +33 (0) 1 30 41 23 62

Mail : mesurex@mesurex.fr

Web : www.mesurex.fr