

PXC Series

Miniature Pressure Sensor

Ref: 107

Rev: L



DESCRIPTION

These miniature pressure sensors are designed to make statistic and dynamic 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.

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

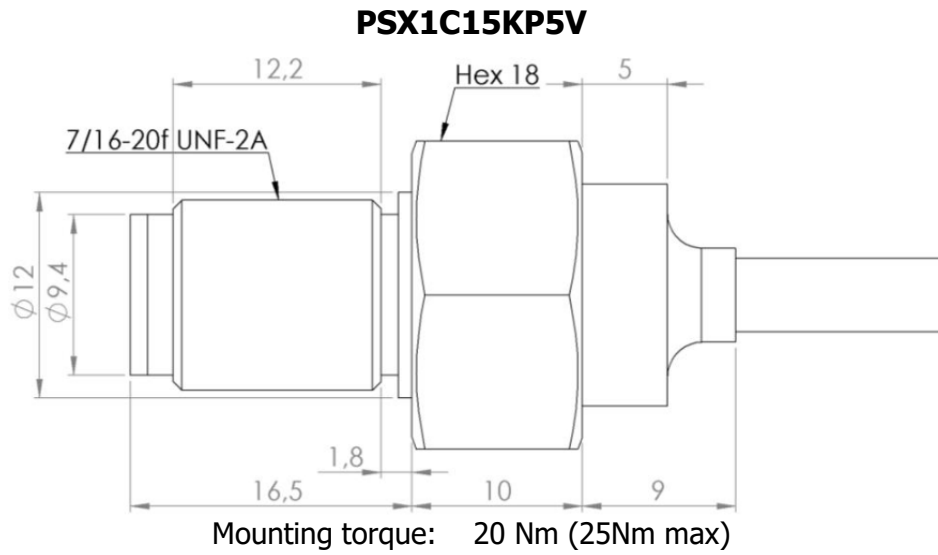
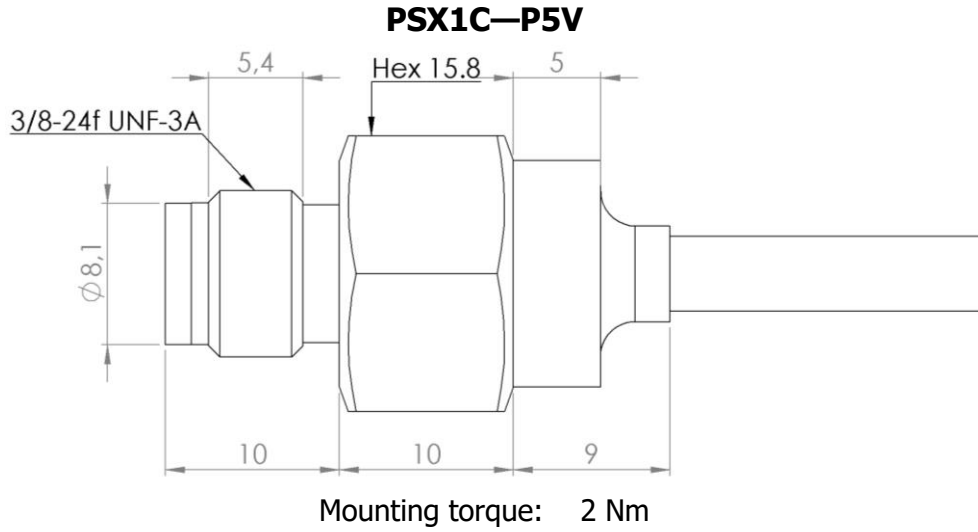
MEASURING RANGES

PRESSURE RANGE (FS in PSI)	PRESSURE RANGE (FS in BAR)	MAX PRESSURE	ZERO OFFSET AT 20°C	OUTPUT FS	LINEARITY + HYSTERESIS + REPEATABILITY	THERMAL ZERO DRIFT / 80°C	THERMAL SENSITIVITY DRIFT / 80°C
1 500	70	1.5x FS	200 ± 100 mV	5Vdc ± 150 mV	± 1% FS	< 4.32% FSO	< 4.32%
5 000	100	1.5x FS	200 ± 100 mV	5Vdc ± 150 mV	± 1% FS	< 4.32% FSO	< 4.32%
15 000	140	1.3x FS	200 ± 100 mV	5Vdc ± 150 mV	± 1% FS	< 4.32% FSO	< 4.32%

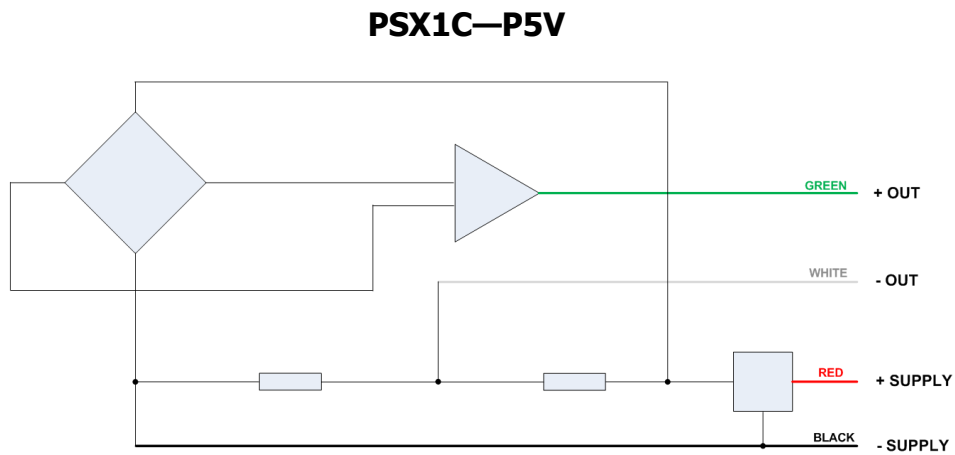
TECHNICAL CHARACTERISTICS

PARAMETERS	VALUES	NOTES
Operating temperature	-55°C to +125°C	
Compensated temperature	-10°C to +70°C	
Supply	13/32Vdc	
Electrical input	< 25 mA	
Electrical output	1 kΩ nom.	
Insulation	> 100MΩ /50Vdc	
Output	Shielded cable	2m AWG 26 wire (standard) or connectors
Mechanical connection	3/8-24f UNF-3A	7/16-20f UNF-2A for 15KP
Seal	O-ring	Viton 7.65x1.63 65 Shore (≤ 5KP) M83461/1-013 nitrile rubber MIL-P-83461 (installed with chamfer at 30°) (15KP)
	BS Ring	BECA 114 1E 009 (15KP)
Index of protection	IP 65	IP 67 optional
Vibration	2,5g peak for 10-159 Hz, 2,5g peak to 8,1g peak for 159-700Hz according to MIL STD 810F method 514.5	
Special options	Please consult us	

DIMENSIONS

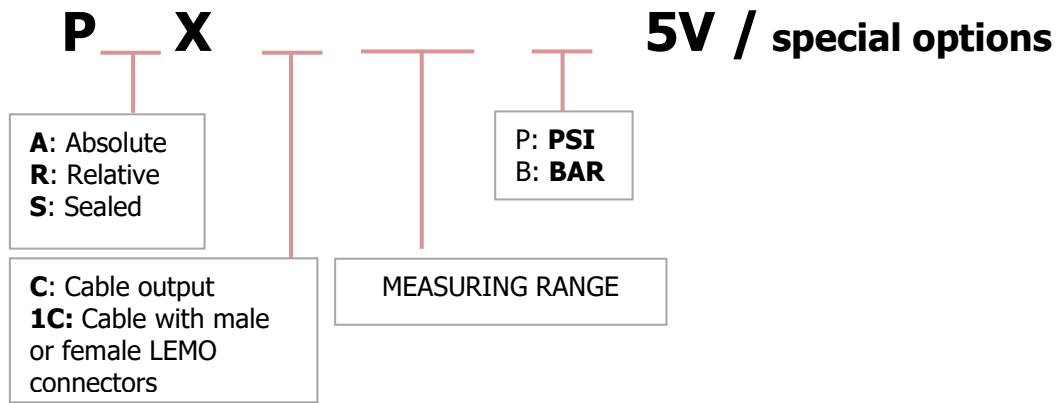


WIRING

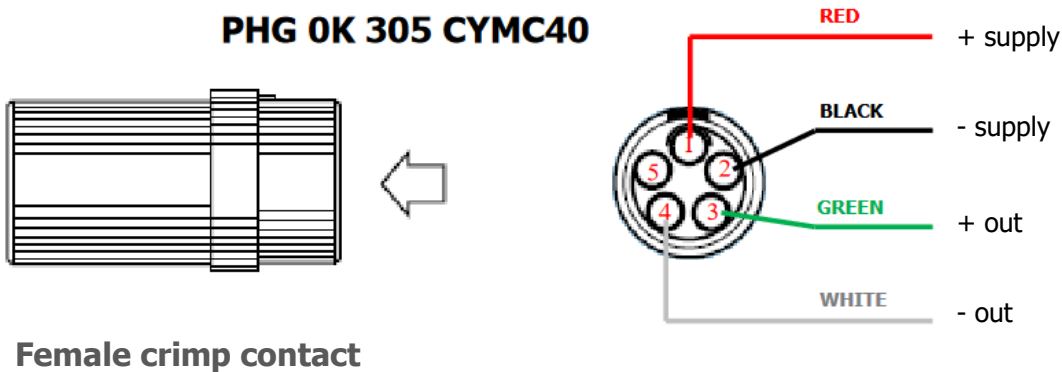


Note: +2V nom. Common mode output voltage referred to -Exc

ORDERING INFORMATION



¹ Male: FGG 0K CYCC 40 / Female: PHG 0K CYMC 40 with 50 cm output cable



• **Special options**

OPTION	FEATURES
Cable Length	<i>value</i> = Length in meters (M) or feet (F)
Protection standard	IP65 (standard) IP 67

Example: **PSX1C1.5KP5V**

- Sealed
- Cable with male or female connector
- 1500 PSI
- Output : 0-5V
- Thread : 3/8

CONTACT

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