

# PAPC4KP5V

## Miniature Pressure Sensor

Ref: 101

Rev: E



## DESCRIPTION

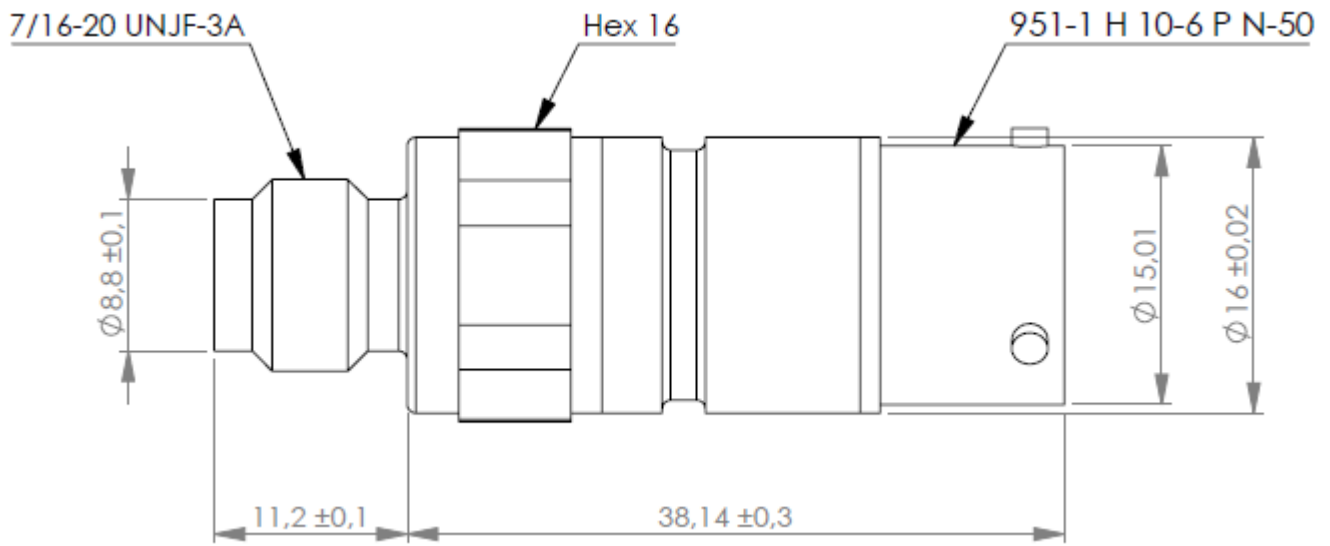
These miniature pressure sensors are designed to make statistic as well as dynamic measurements of pressure in corrosive condition. Entirely built in stainless steel, these levelling membrane sensors are compatible with a great number of corrosive or conducting fluids. Integrated electronics makes it possible to deliver an analogical tension signal.

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

## TECHNICAL CHARACTERISTICS

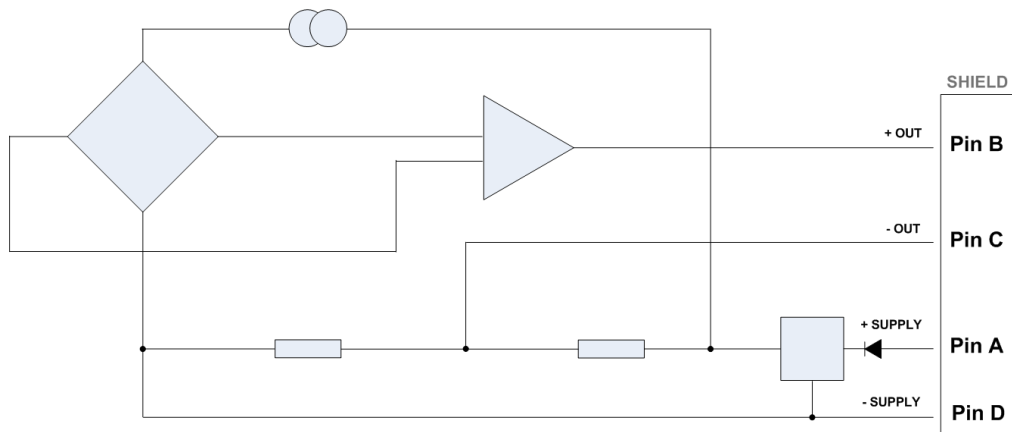
PARAMETERS	VALUES	NOTES
Measuring Range	0 – 4000 PSI	Relative, Absolute, Sealed
Proof pressure	6000 PSI	
Burst pressure	10000 PSI	
Linearity + Hysteresis	± 0.75% of Full Scale	(± 0.5% of Full Scale in option)
Repeatability	± 0.25% of Full Scale	
Operating temperature	-54°C to +135°C	
Storage temperature range	-54°C to +135°C	
Compensated temperature	-40° to +120°C	
Thermal Zero shift	< 0.01% of FS /°C	
Thermal Sensitivity Shift	< 0.01% FS /°C	
Output current	1 mA max	Short circuit protected
Supply	8-36 Vdc	
Input Current	< 10 mA	
Full scale reading	5.1Vdc ± 0.1Vdc	
Output at zero pressure	0.1Vdc ± 0.1Vdc	
Insulation	> 1000MΩ / 50Vdc	
Connector	951-1 H 10-6 P N-50	per MIL-C-26482
Mechanical connection	7/16-20 UNJF-3A	
Weight	2.5 oz max	70.9g max
Mechanical Characteristics	Test structure and membrane welded by laser welding	
Index of Protection	IP67	
Options	Consult technician	

SIZE

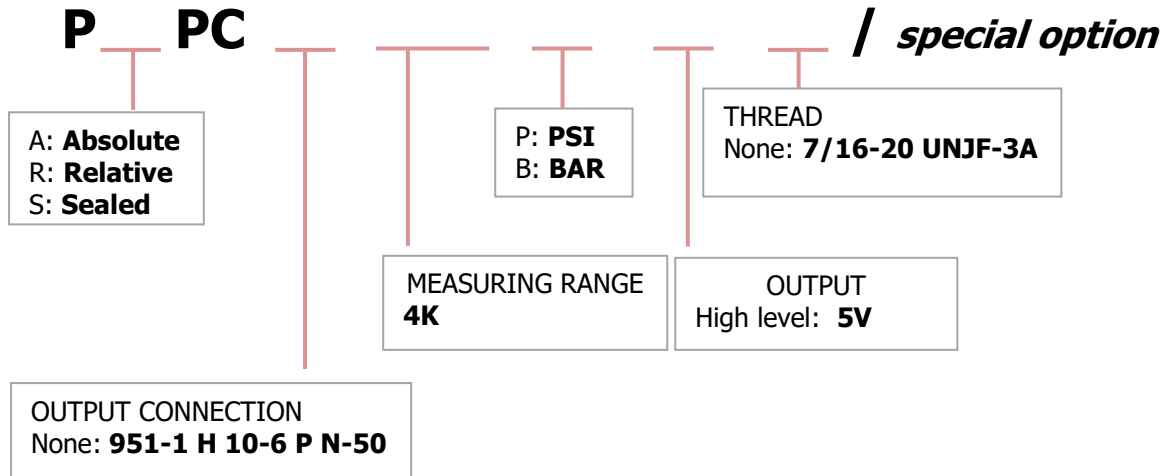


Mounting torque: **6.5 Nm**

WIRING



ORDERING INFORMATION



• **Special options**

OPTION	REFERENCE	FEATURES
Linearity + Hysteresis	<b>None</b>	± 0.75% of Full Scale
	<b>I</b>	± 0.5% of Full Scale
Sealing	<b>None</b>	Viton O-ring 7.65x1.63 65 Shore
	<b>BS</b>	BS ring Hutchinson ref: 206261
Shunt Calibration	<b>SH</b>	

Example: **PAPC4KP5V**

- Absolute
- 951-1 H 10-6 P N-50 connector
- 4000 PSI
- Output: 0-5V
- Thread: 7/16-20 UNJF-3A
- Linearity + Hysteresis: ± 0.75%FS

**PAPC4KP5V/I**

- Absolute
- 951-1 H 10-6 P N-50 connector
- 4000 PSI
- Output: 0-5V
- Thread: 7/16-20 UNJF-3A
- Linearity + Hysteresis: ± 0.5%FS

CONTACT

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