



bar **PM6 Series**

This miniature pressure sensor is designed to perform static and dynamic measurements in a corrosive environment. Entirely made of stainless steel, this recessed membrane sensor is compatible with a large number of corrosive or conducting fluids. Available with gages output or with an integrated electronics which makes it possible to deliver an analogical tension signal.



SPECIFICATIONS

INPUT												
Pressure Range (FS)		20	35	50	70	100	140	200	350	500	700	1000
	BAR PSI	300	500	750	1000	1500	2000	3000	5000	7500	10000	15000
Pressure Type	Gauge/Sealed					Sealed						
Over Pressure	2 x Rated Pressure											
Burst Pressure	3 x Rated Pressure											
Electrical Input / Consumption	1500 Ω < 30ma analogue version											
Supply voltage	10V for no amplified 10 to 30 Vdc for amplified											
OUTPUT												
Full Scale Output (FS) with 10 Vdc	100mV 30%/+50%											
Output Impedance	800 Ω 1000 Ω analogue version											
Zero Offset at 20°C	+/-10mv not amplified 0.5 Vdc ± 5% amplified version 4.5V for full scale											
Non linearity	+/-0.25% FS											
Hysteresis	+/- 0.25% FS											
Repeatability	0.2% of FS											
Insulation	> 100 MΩ @ 50 VDC											
ENVIRONMENTAL												
Operating Temperatures	-40°C to +150°C +125°C for amplified version											
Compensated Temperatures	0 °C to 60 °C											
PHYSICAL												
Resonant frequency ¹	kHz	179	195	227	276	325	377	455	585	764	845	926
Material	Stainless Steel											
Connector output	SI3-4 cable Souriau connector (option)					Length: 2 meters 8STA1Y02-05PN170						
Vibration	50G											
Index of Protection	IP 50 / IP67 (option)											

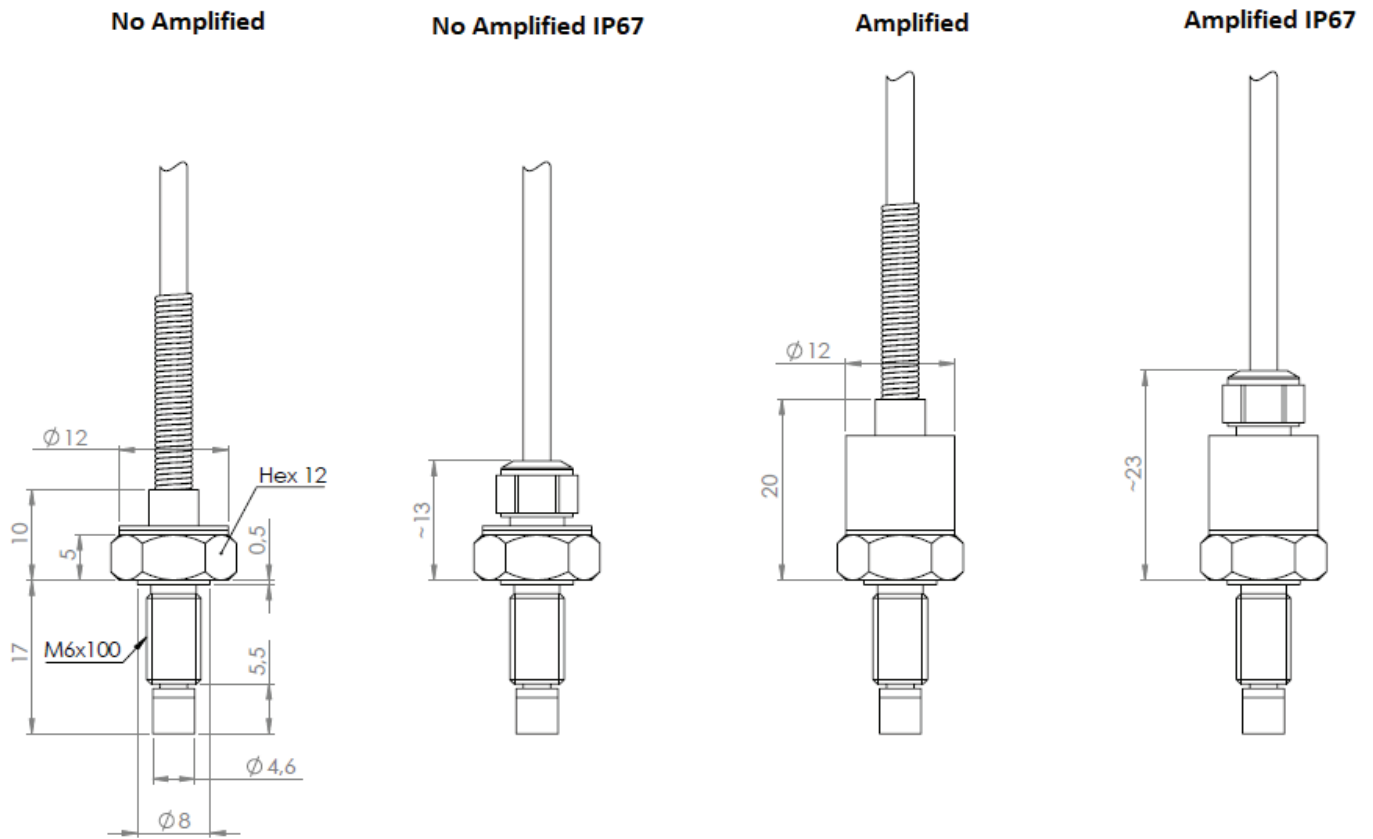
10/06/2026 | version 0001

SPECIFICATIONS (CONTINUED)

Shock	2G during 11ms 10 000G during 1ms		
Bandwidth (-3db)²	1250 Hz, Resonance's frequency 7.5KHz		
Weight	14 grams		
Joint/Ring	-	BS Ring	ARMCO iron ring / copper
Mechanical characteristics	Body and membrane laser welded		

¹ The suggested frequency of use is 20% of the resonant frequency
² The bandwidth for versions with amplified electronics is 3kHz.

DIMENSIONS

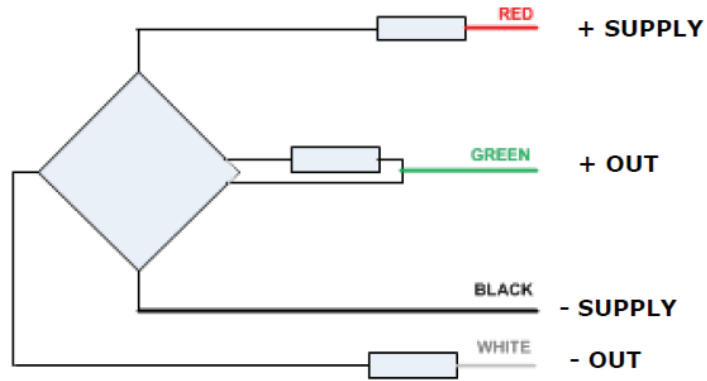


Mounting torque: From 1.5KP to 5KP: 5Nm

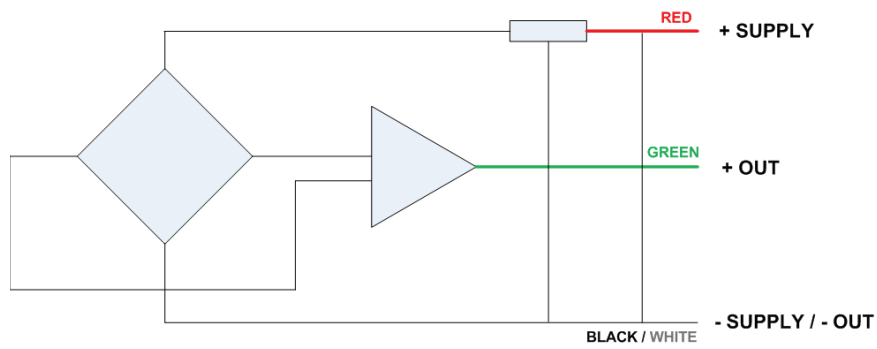
from 5KP to 15KP: 10Nmmax

WIRING

No amplified version



Amplified version



ORDER GUIDE

Example: **PSM6C15KP5V**

PRM6C1000BmV/L5P7

Sealed
Cable output 2m standard
15 000 Psi
5V output

Metric M6 Thread
IP50

Gauge
Cable output 5m
1000 Bar
No amplified signal mV

Metric M6 Thread
IP67

P		M6 Miniature Pressure Sensor											
	Code	Pressure Type											
	S	Sealed pressure											
	R	Gauge											
		Code	Description										
		M6	Thread										
			Code	Output model									
			C	Cable output model									
			CS	Connector output									
				Code	Description								
				xP	Measuring range in PSI (<i>See Specifications Table</i>)								
				xB	Measuring range in BAR (<i>See Specifications Table</i>)								
					Code	Model							
					mV	no amplified							
					3V	amplified special							
					5V	amplified							
					Options								
					Code	Cable length							
					None	2m (standard)							
					xM	x = length in meters							
					xF	x = length in feet							
						Code	Compensated temperature range						
						None	0°C to +60°C (standard)						
						C1	20°C to +120°C						
						C2	20°C to +150°C						
							Code	Index of protection					
							None	IP50 (standard)					
							P67	IP67 (Sealed)					
							EP	Thermal Flash testing 1000°C (special diaphragm)					
P	R	M6	C	xP	mV	xM	C1	P67	Complete Type Specification				

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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