



Series N6200

Heavy Industrial - High EMI Rated



The N6200 series from SENSYS sets the price / performance standard for transducers used in demanding environments. The N6200 exceeds the latest heavy industrial CE requirements including surge protection, and is over voltage protected to 16VDC in both positive and reverse polarity. The pressure port is machined from a solid piece of 17-4PH stainless steel(316L optional). There are no O-rings, organics or welds exposed to the pressure media. This allows for a leak proof, all-metal sealed pressure system which withstands more than 10 million pressure cycles without failure.

Feature

- Heavy Industrial CE Approval
- 100V/m EMI Protection
- Reverse Polarity Protection
- Extended temperature range
- 0.5%FS accuracy
- Compact Outline
- -40 to 125°C

Applications

- Gas leak detection
- Gas monitoring
- Gas & Air process control
- Vacuum system

SPECIFICATIONS

Range		3.5, 7, 10, 20, 35, 70, 200, 350, 700 bar			
Performance					
Accuracy	±0.5%FS(RSS)				
Thermal Effect on Zero	±0.05%FS/℃				
Thermal Effect on Span	±0.05%FS/℃				
Compensated Temperature Range	−20 ~ 85℃				
Operating Temperature Range	−40 ~ 125℃ / −40 ~ 85℃ (4~20mA)				
Electrical					
Excitation	4.75~5.25VDC	8~30VDC	15~30VDC	9~30VDC	
Output	0.5~4.5VDC	1~5VDC	0~5VDC	0~10VDC	4~20mA(2Wire)
Insulation Resistance	1MΩ @25VDC				
Electrical Connection	Cable, Packard Connector, Mini Din Connector				
Physical					
Proof Pressure	200%FS Max.				
Burst Pressure	500%FS Min.				
Vibration	20G at 20 to 200Hz				
Shock	50G / 11ms				
Media—Wetted Materials	Stainless Steel 630				
Weight	Mini Din Connector type : Approx. 85g (Sensor Only)				

* Specifications are subject to change without notice

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CE compliant per the following specification

EN55022 Emission Class A & B

IEC61000-4-2 Electrostatic Discharge Immunity(6kV contact/8kV air)

IEC61000-4-3 EM Field Immunity(30V/m)

IEC61000-4-4 Electrical Fast Transient Immunity(1kV)

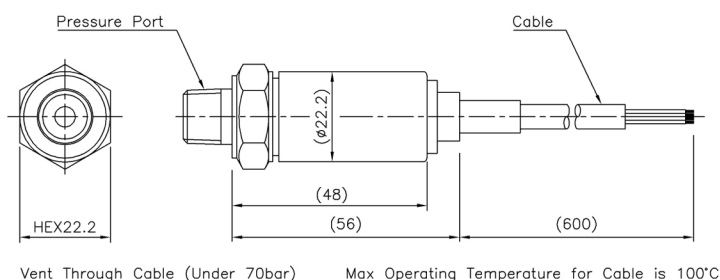
IEC61000-4-5 Surge(1kV)

IEC61000-4-6 Conducted Immunity(10V)

IEC61000-4-9 Pulsed Magnetic Field Immunity(100A/m)

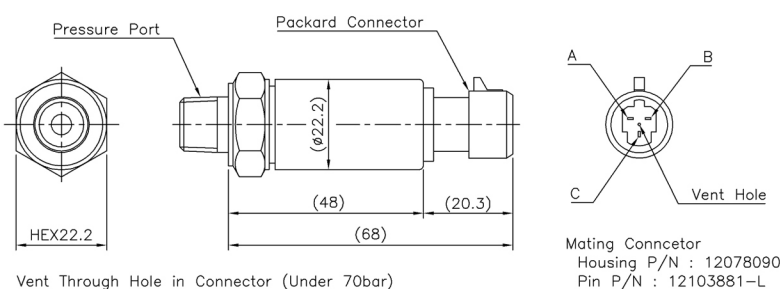
Dimension

► Cable Type



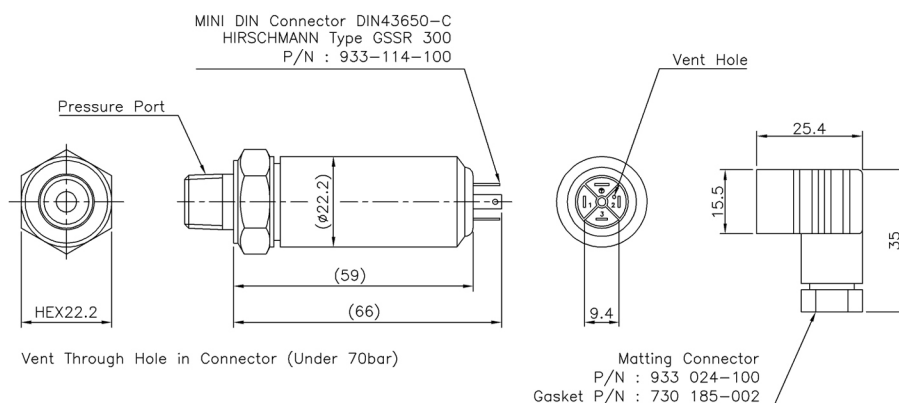
Wire Color	Connections	
	V Output	mA Output
Red	Input ⊕	Input ⊕
Black	Common ⊖	Output ⊕
Green	Output ⊕	×

► Packard Connector Type



Pin No.	Connections	
	V Output	mA Output
A	Input ⊕	Input ⊕
B	Common ⊖	Output ⊕
C	Output ⊕	×

► Mini DIN Connector Type



Pin No.	Connections	
	V Output	mA Output
1	Input ⊕	Input ⊕
2	Output ⊕	Output ⊕
3	Common ⊖	×
⊕	Earth	×

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● Ordering Information

		N62		3	1	—	00000	5	—	010	B	G		
Model Name													Type of Pressure	
													G : Gauge	
Output													Pressure Unit	
													B : bar	
													P : pMi	
Connection													Pressure Range	
													3.5 : 0~3.5bar	
													007 : 0 ~7bar	
													010 : 0~10bar	
													020 : 0~20bar	
													035 : 0~35bar	
													070 : 0~70bar	
													200 : 0~200bar	
													350 : 0~350bar	
													700 : 0~700bar	
Options														
Pressure port														