



Series V6200

Industrial - High EMI Rated, High Stability



The V6200 series from SENSYS Sensors sets the price / performance standard for transducers used in demanding environments. The V6200 exceeds the latest heavy industrial CE requirements including surge protection, and is over voltage protected in both positive and reverse polarity. The 100% 316L media isolation covers all but the most corrosive environments.

Feature

- Heavy Industrial CE Approval
- 100V/m EMI Protection
- Reverse Polarity Protection
- 0.3%FS accuracy
- Compact Outline
- -40 to 125°C

Applications

- Advanced HVAC Controllers
- Refrigeration Systems
- Automotive Test Stands
- Gas compressors
- Industrial process control
- Pumps and Compressors
- Hydraulic/Pneumatic
- Agriculture Equipment
- Energy and Water Management

SPECIFICATIONS

Range	1, 2, 3.5, 7, 10, 20, 35, 70, 100, 200, 350, 700 bar				
Performance					
Accuracy	±0.3%FS(RSS)				
Thermal Effect on Zero	±0.03%FS/°C				
Thermal Effect on Span	±0.03%FS/°C				
Compensated Temperature Range	-20 ~ 85°C				
Operating Temperature Range	-40 ~ 125°C / -40 ~ 100°C(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	300%FS Max.				
Burst Pressure	400%FS Min.				
Vibration	20G at 20 to 200Hz				
Shock	50G / 11ms				
Media-Wetted Materials	Stainless Steel 316				
Weight	Mini Din Connector type : Approx. 100g (Sensor Only)				

* Specifications are subject to change without notice

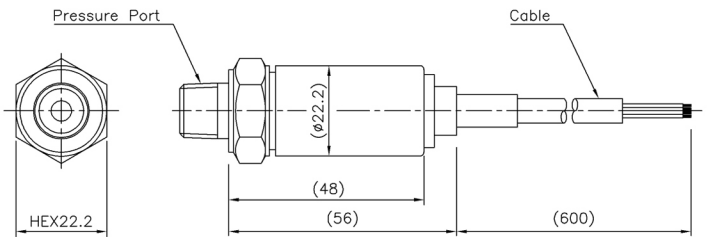


CE compliant per the following specification

- 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

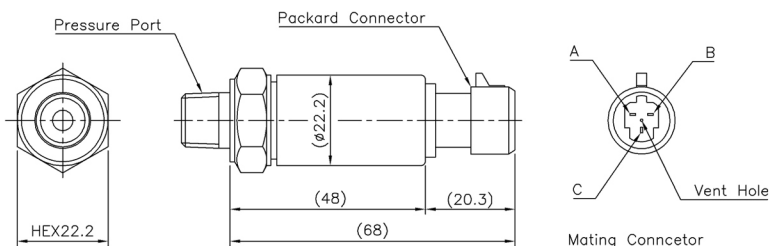
► Cable Type



Vent Through Cable (Under 70bar) Max Operating Temperature for Cable is 100°C

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

► Packard Connector Type

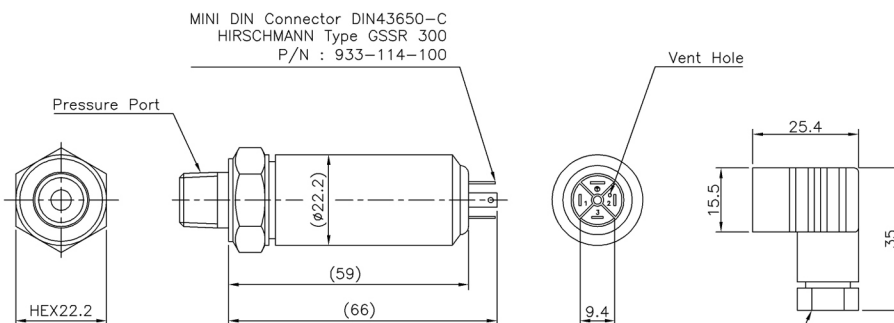


Vent Through Hole in Connector (Under 70bar)

Mating Connector
Housing P/N : 12078090
Pin P/N : 12103881-L

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

► Mini DIN Connector Type



Vent Through Hole in Connector (Under 70bar)

Mating Connector
P/N : 933 024-100
Gasket P/N : 730 185-002

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

* Specifications are subject to change without notice



Ordering Information

Model Name	V62	3 - 1	00000	5 -	010	B	G	Type of Pressure
Output								G : Gauge A : Absolute
3 : 0.5~4.5V 4 : 1~5V 5 : 4~20mA 6 : 0~5V 7 : 0~10V								Pressure Unit
Connection								B : bar P : psi
1 : Cable 4 : Packard Metripak 150 6 : Mini-Hirschman DIN43650 ind C								Pressure Range
Options								001 : 0~1bar 002 : 0~2bar 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
Pressure port								
2 : G(PF)1/4 4 : 7/16-20 UNF Male, O-ring 5 : 1/4-18 NPT P : 7/16-20 female X : R(PT)1/4								