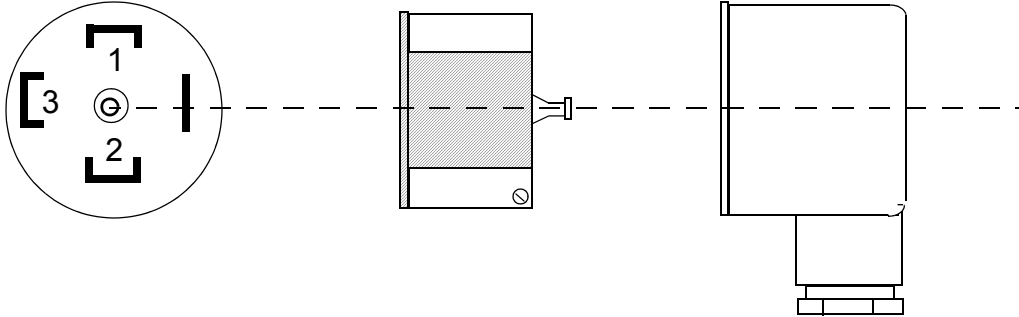


# SEN Series Pressure Sensor Wiring

## Plug Assembly



Pin Assignment for 4-20 mA Output

Pin 1 = +15 to 32 VDC  
Pin 2 = 4-20 mA out

Pin Assignment for 0-5 & 0-10 VDC Output

Pin 1 = +15 to 32 VDC  
Pin 2 = Common  
Pin 3 = Signal Output

## Specifications

Measuring Ranges:	0-30" Hg vacuum to 0-8700 PSIG; compound ranges available on request	Overpressure Ratings 30" Hg to 500 PSIG: >500 PSIG:	2x Max. range 1.2x Max. range
Accuracy:	±0.5% or ±1.0% of full scale depending on model	Process Wetted Parts Sensing Element: Connection: O-Ring:	Ceramic 304 Stainless steel Buna-N; others available on request
Compensated Temp. Range:	12 to 185°F	Housing Material: Power Supply: Output:	303 Stainless steel 16-32 VDC 4-20 mA, 0-5 VDC, 0-10 VDC
Temperature Drift Zero:	< ±0.011%/°F for accuracy=0.5% < ±0.022%/°F for accuracy=1.0%	Max. Loop Load: Response Time:	(Vsupply-15)/0.02 (for 4-20 mA) < 1 ms from 10% to 90% of scale
Span:	< ±0.006%/°F for accuracy=0.5% < ±0.011%/°F for accuracy=1.0%	Electrical Connection:	Hirschman Plug (DIN 43650 A) with PG 11 cable gland
Stability (annual) Sensor Element:	< ±0.2% of full scale Piezoresistive ceramic	Electrical Protection:	NEMA 4/ IP 65
Operating Temp. Range Process Medium:	-40 to 212°F		
Ambient:	-40 to 150°F		
Storage:	-40 to 185°F		



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Manual-SEN\_4-01  
Rev 4/18/01

## Model Code Identification

**SEN** = OEM Pressure Transmitter

		<b>Fitting/Accuracy</b>
<b>8600N4</b>	= 1/2" NPT/0.5% of full scale	
<b>8601N4</b>	= 1/2" NPT/1.0% of full scale	
<b>8700N2</b>	= 1/4" NPT/0.5% of full scale	
<b>8701N2</b>	= 1/4" NPT/1.0% of full scale	

		<b>Output Type</b>
<b>0</b>	= 4-20 mA	
<b>1</b>	= 0-5 VDC	
<b>2</b>	= 0-10 VDC	

Available Measuring Ranges		<b>Range</b>
<b>H315</b> = -30" to 0" Hg	<b>P100</b> = 500 PSIG	
<b>P025</b> = 15 PSIG	<b>P115</b> = 1000 PSIG	
<b>P045</b> = 30 PSIG	<b>P125</b> = 1450 PSIG	
<b>P055</b> = 50 PSIG	<b>P135</b> = 2300 PSIG	
<b>P065</b> = 100 PSIG	<b>P145</b> = 3600 PSIG	
<b>P075</b> = 150 PSIG	<b>P155</b> = 5800 PSIG	
<b>P085</b> = 200 PSIG	<b>P175</b> = 8700 PSIG	
<b>P095</b> = 350 PSIG		

SEN - 8701N2 - 0 - P065 Example