

**SEN  
SERIES OEM PRESSURE TRANSMITTER**



Flow  
Pressure  
Level  
Temperature  
measurement  
monitoring  
control

**P2**



- **Ranges 0-30" Hg Vacuum to 0-7500 PSIG**
- **0.5% or 1.0% of Full Scale Accuracy**
- **4-20 mA, 0-5 VDC or 0-10 VDC Outputs**
- **Ceramic Pressure Sensing System for High Cycle Life**
- **Economical Price for OEM Applications**

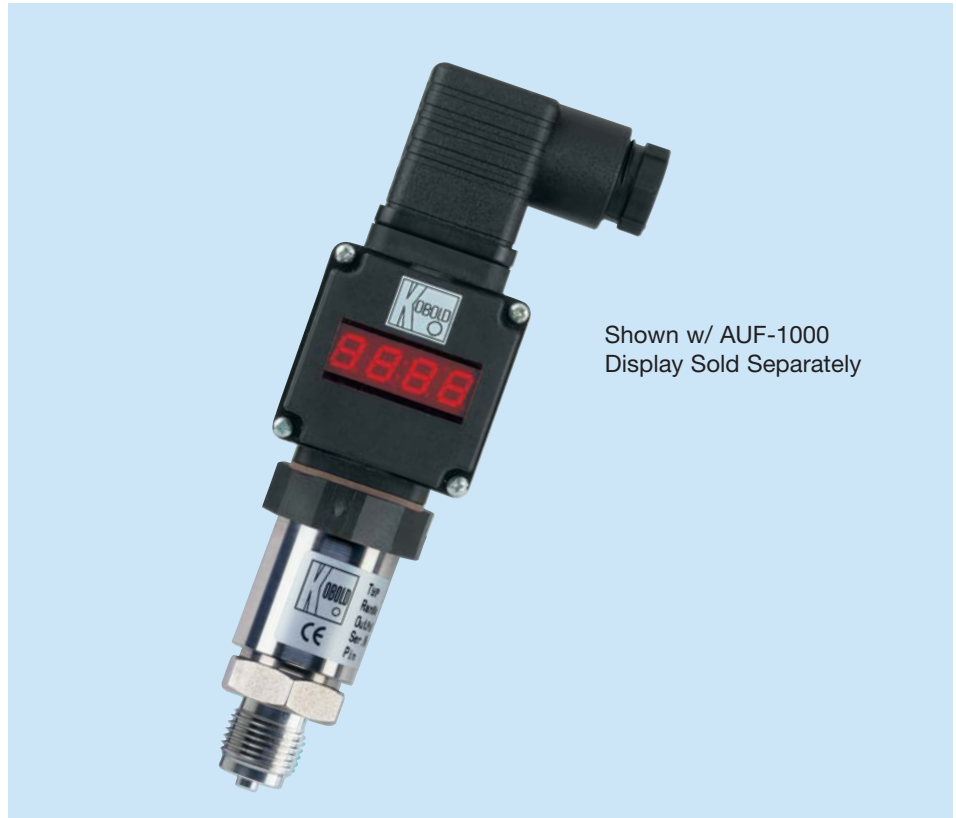
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Model:  
**SEN**

**Features**

- Ranges 0-30" Hg Vacuum to 0-7500 PSIG
- 0.5% or 1.0% of Full Scale Accuracy
- 4-20 mA, 0-5 VDC or 0-10 VDC Outputs
- Ceramic Pressure Sensing System for High Cycle Life
- Economical Price for OEM Applications

The SEN series pressure transmitters combine the reliability of a solid state ceramic sensor with an economical price. The SEN series is available in accuracy classes of either  $\pm 1.0\%$  or  $\pm 0.5\%$  of full scale value. 4-20 mA, 0-5 VDC or 0-10 VDC outputs are available allowing the SEN to interface with virtually any control system. The heart of the SEN is its ceramic piezo-resistive sensing element. Ceramic sensors are known for exceptionally long cycle life with virtually no calibration drift. These features, along with the compact, robust stainless steel package, make the SEN an ideal choice for OEM applications.



Shown w/ AUF-1000 Display Sold Separately

**SEN Series OEM Pressure Transmitter**

**Specifications**

**Measuring Ranges:** 0-30" Hg vacuum to 0-7500 PSIG; compound ranges available on request

**Accuracy:**  $\pm 0.5\%$  or  $\pm 1.0\%$  of full scale

**Compensated Temp. Range:** -4 to 185°F

**Temperature Drift**  
**Zero:**  $< \pm 0.011\%/^{\circ}\text{F}$  for accuracy = 0.5%  
 $< \pm 0.022\%/^{\circ}\text{F}$  for accuracy = 1.0%

**Span:**  $< \pm 0.016\%/^{\circ}\text{F}$  for accuracy = 0.5%  
 $< \pm 0.011\%/^{\circ}\text{F}$  for accuracy = 1.0%

**Stability (annual):**  $< \pm 0.2\%$  of full scale

**Sensor Element:** Piezo-resistive ceramic

**Operating Temp. Range**  
**Process Medium:** -40 to 212°F  
**Ambient:** -40 to 150°F  
**Storage:** -40 to 185°F

**Overpressure Ratings**  
**30" Hg to 500 PSIG:** 2x Max. range  
**>500 PSIG:** 1.2x Max. range

**Process Wetted Parts**  
**Sensing Element:** Ceramic  
**Connection:** 304 stainless steel  
**O-Ring:** Buna-N, others available on request

**Housing Material:** 303 stainless steel

**Power Supply:** 16-32 VDC  
**Output:** 4-20 mA, 0-5 VDC, 0-10 VDC

**Max. Loop Load:**  $(V_{\text{supply}} - 15) / 0.02$  (for 4-20 mA)

**Response Time:**  $< 1$  ms from 10% to 90% of scale

**Electrical Connection:** Hirschmann Plug (DIN 43650 A) with PG 11 cable gland

**Electrical Protection:** NEMA 4/IP 65



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SEN Series Ordering Codes																	
<b>SEN</b>	= OEM Pressure Transmitter																
	<p><b>Fitting/Accuracy</b></p> <p><b>8600N4</b> = 1/2" NPT/0.5% of full scale</p> <p><b>8601N4</b> = 1/2" NPT/1.0% of full scale</p> <p><b>8700N2</b> = 1/4" NPT/0.5% of full scale</p> <p><b>8701N2</b> = 1/4" NPT/1.0% of full scale</p>																
	<p><b>Output Type</b></p> <p><b>0</b> = 4-20 mA (standard)</p> <p><b>1</b> = 0-5 VDC (10 piece Min. Order)</p> <p><b>2</b> = 0-10 VDC</p>																
	<p><b>Range</b></p> <p>Available Measuring Ranges</p> <table border="0"> <tr> <td><b>H315</b> = -30" to 0" Hg</td> <td><b>P095</b> = 350 PSIG</td> </tr> <tr> <td><b>P025</b> = 15 PSIG</td> <td><b>P100</b> = 500 PSIG</td> </tr> <tr> <td><b>P045</b> = 30 PSIG</td> <td><b>P115</b> = 1000 PSIG</td> </tr> <tr> <td><b>P055</b> = 50 PSIG</td> <td><b>P125</b> = 1450 PSIG</td> </tr> <tr> <td><b>P065</b> = 100 PSIG</td> <td><b>P130</b> = 2000 PSIG</td> </tr> <tr> <td><b>P075</b> = 150 PSIG</td> <td><b>P140</b> = 3000 PSIG</td> </tr> <tr> <td><b>P085</b> = 200 PSIG</td> <td><b>P150</b> = 5000 PSIG</td> </tr> <tr> <td><b>P090</b> = 300 PSIG</td> <td><b>P170</b> = 7500 PSIG</td> </tr> </table>	<b>H315</b> = -30" to 0" Hg	<b>P095</b> = 350 PSIG	<b>P025</b> = 15 PSIG	<b>P100</b> = 500 PSIG	<b>P045</b> = 30 PSIG	<b>P115</b> = 1000 PSIG	<b>P055</b> = 50 PSIG	<b>P125</b> = 1450 PSIG	<b>P065</b> = 100 PSIG	<b>P130</b> = 2000 PSIG	<b>P075</b> = 150 PSIG	<b>P140</b> = 3000 PSIG	<b>P085</b> = 200 PSIG	<b>P150</b> = 5000 PSIG	<b>P090</b> = 300 PSIG	<b>P170</b> = 7500 PSIG
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	<p><b>Accessories</b></p> <p>Part#: REED-P931970100 = DIN 43650 A plug with 1/2" NPT conduit connection</p>																
<p>↓</p> <p><b>SEN - 8701N2 - 0 - P065</b></p>	<p><b>Example</b></p>																

DIMENSIONS

SEN-86..

SEN-87..

