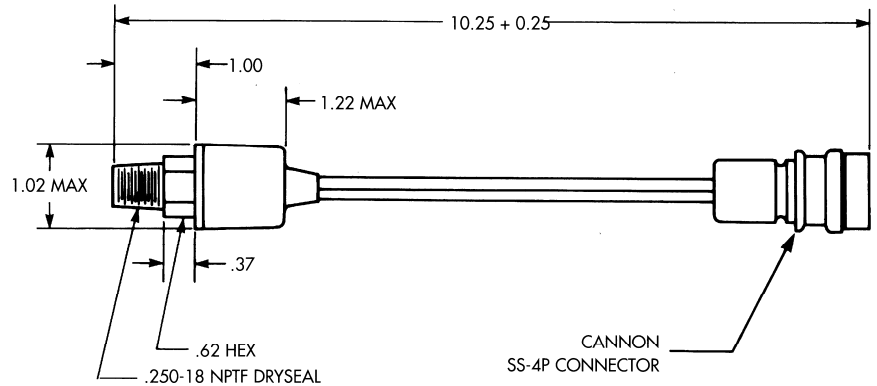


**COMMERCIAL GRADE 90mV DC OUTPUT
PRESSURE TRANSDUCER
MODEL 12000**



The **Model 12000** is a diffused silicon based pressure sensor that is ideal for moderate accuracy pressure measurements in industrial and automotive environments.

The diffused silicon technology provides 90mV output span and excellent linearity over its compensated temperature range. The silicon diaphragm and molded construction can withstand the harsh environments seen in industrial applications

Media compatibility is with all liquids and gasses compatible with silicon, stainless steel and epoxy resins. Media does not contact any electrical circuitry.

- ***High Overpressure Capability***
- ***Wide Compensated Temperature Range***
- ***High Pressure Range Capability***
- ***Excellent Long-term Stability***
- ***Low Cost with Moderate Accuracy***

Pneumatic Controls
Hydraulic Controls
Automotive Sensing
Medical Equipment
Robotics

MODEL 12000**COMMERICAL GRADE 90MV DC OUTPUT PRESSURE TRANSDUCER**

PRESSURE CHARACTERISTICS	Units of Measure	
Pressure Ranges (in 100PSI Increments)	PSIG, & PSIS	0-25, 0-50, 0-100, 0-250PSI
Proof Pressure	% of Full Scale Pressure	

ELECTRICAL CHARACTERISTICS	Units of Measure	
Accuracy (includes linearity, hysteresis & repeatability)		
Standard	±% of Full Scale Output	To 1.0%
Special Order	±% of Full Scale Output	To 0.05%1
Excitation	VDC	12VDC
Output Span	mVDC ±2%	90mVDC
Output Balance		
Standard	±% of Full Scale Output	2%
Special Order	±% of Full Scale Output	1%
Common Mode Voltage	VDC	≤5VDC
Resistance		
Input Resistance	Ohms Nominal	>10K Ohm
Output Resistance	Ohms, Nominal	4K Ohm

TEMPERATURE CHARACTERISTICS	Units of Measure	
Temperature Coefficient		
Sensitivity		
Standard	±% of Full Scale Output/100°F	1.5%
Special Order	±% of Full Scale Output/100°F	1.0%
Balance		
Standard	±% of Full Scale Output/100°F	5%
Special Order	±% of Full Scale Output/100°F	2%
Temperature Range		
Operating	°C	-40 to 120°C
Compensated "A"	°C	0 to 65°C
Compensated "B"	°C	25 to 85°C



An Electromotive Solutions Company
ISO 9001:2000 & AS9100:2004 Certified
 2800 ANVIL STREET NORTH ST. PETERSBURG, FL 33710 USA
 PHONE: (727) 347-2181 Fax: (727) 347-7520 Email: sales@vsensors.com