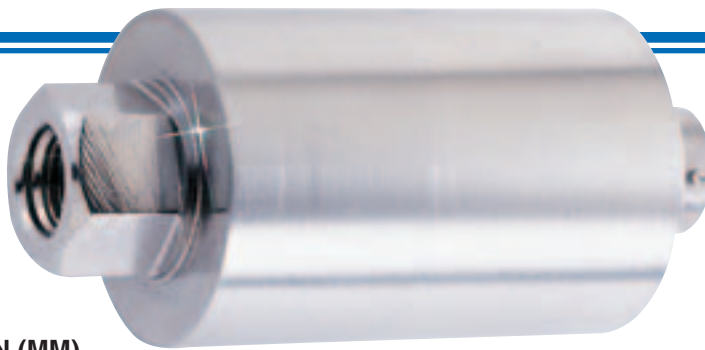


# 0.25% Accuracy Pressure Transducers All Stainless Steel Construction

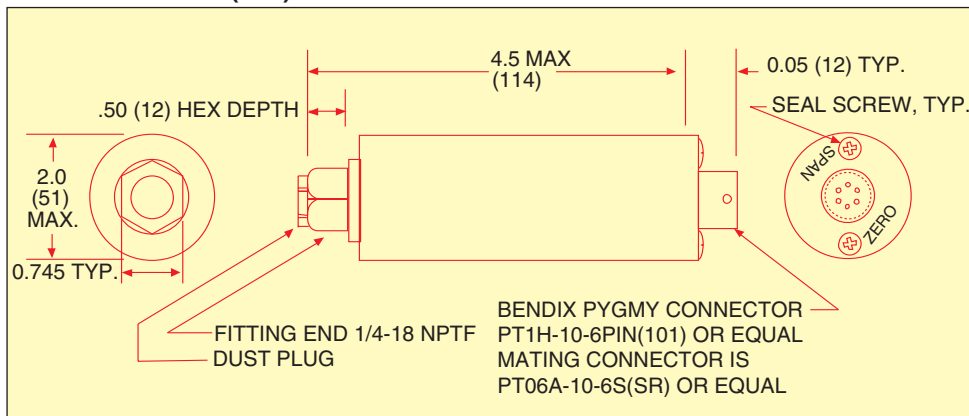
**Model 5SE01313**  
**0 to 5 thru 0 to 5000 PSI**  
**Isolated 0-5 VDC Output**

Model 5SE01313  
Shown Smaller Than  
Actual Size



- ✓ High 0.25% Accuracy
- ✓ Rugged Thick Film Design
- ✓ Proven Performance in Extreme Applications
- ✓ All Stainless Steel Construction
- ✓ Isolated 0 to 5 VDC Output
- ✓ Internal Shunt Resistor for Easy System Function Verification
- ✓ High Overpressure Rating

DIMENSIONS: IN (MM)



Connections	Connector end
A + 5 VDC	short pins E and
B - 5 VDC	F to simulate
C - 28 VDC	transducer
D + 28 VDC	pressure output
E Shunt	
F Shunt	

## SPECIFICATIONS

**Recommended Excitation:** 28 VDC  $\pm 4$  VDC

**Rated Output (RO):** 5 VDC  $\pm 0.25\%$   
( $\pm 10\%$  Adjustable) Short Circuit Protected

**Zero Balance (% RO):**  $\pm 10\%$  Adjustable (Min.)

**Temperature Effect on Zero Balance (% RO):** 0.0015/ $^{\circ}$ F (0.0027/ $^{\circ}$ C) Max.

**Temperature Effect on Output (% Reading):** 0.0020/ $^{\circ}$ F (0.0036/ $^{\circ}$ C) Max.

**Compensated Temperature Range:**  
-25 to 150 $^{\circ}$ F (-32 to 66 $^{\circ}$ C) Min.

**Safe Over Temperature Range:**  
-65 to 250 $^{\circ}$ F (-54 to 121 $^{\circ}$ C) Min.

**Overpressure Range (%RO):**  
5 psi: 300% RO Min.

10-5000 PSI: 150% RO Min.

**Ultimate Overpressure Range (%RO)**  
5-200 psi: 800% RO Min.

350-2000 psi: 300% RO Min.  
(Diaphragm shall not rupture)

**Combined Effects Non-Linearity, Hysteresis and Repeatability:** 0.25% RO (Max.)

**Vibration Limit (5-2000 Hz):** 0.04% RO/G (Max.)

**Thermal Zero Stability (%RO):** 0.4% RO (Max.)

**Thermal Sensitivity Stability (%RO):**  
0.3% RO (Max.)

## Custom Ranges Available!

### To Order (Specify Part Number)

Part Number	Instrument Range	Units	Accuracy
5SE01313-1	0-5	PSIG	0.25%
5SE01313-2	0-10	PSIG	0.25%
5SE01313-3	0-20	PSIG	0.25%
5SE01313-4	0-50	PSIG	0.25%
5SE01313-5	0-100	PSIG	0.25%
5SE01313-6	0-150	PSIG	0.25%
5SE01313-7	0-200	PSIG	0.25%
5SE01313-8	0-500	PSIG	0.25%
5SE01313-9	0-1000	PSIG	0.25%
5SE01313-10	0-1500	PSIG	0.25%
5SE01313-11	0-2000	PSIG	0.25%
5SE01313-12	0-5000	PSIG	0.25%
5SE01313-13	0-50	IN.HgG	0.25%
5SE01313-14	0-100	IN.HgG	0.25%
5SE01313-15	0-200	IN.HgG	0.25%
5SE01313-16	0-500	IN.HgG	0.25%
5SE01313-17	0-1000	IN.HgG	0.25%
5SE01313-18	0-20	PSIA	0.25%
5SE01313-19	0-50	IN.H2OG	0.25%
5SE01313-20	0-300	PSIG	0.25%
5SE01313-21	0-600	IN.HgA	0.25%
5SE01313-22	0-50	IN.HgA	0.25%
5SE01313-23	0-100	IN.HgA	0.25%
5SE01313-24	0-400	IN.HgA	0.25%
5SE01313-25	0-300	PSIA	0.25%

**Ordering Example:** 5SE01313-6, 0 to 150 psig stainless steel pressure transducer, 0.25% accuracy with isolated 0 to 5 VDC output. Consult factory for price and delivery.



**TRODEKS®**

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Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

### **• Flow and Level**

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### **• pH and Conductivity**

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

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Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### **• Pressure, Strain and Force**

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

### **• Heaters**

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters