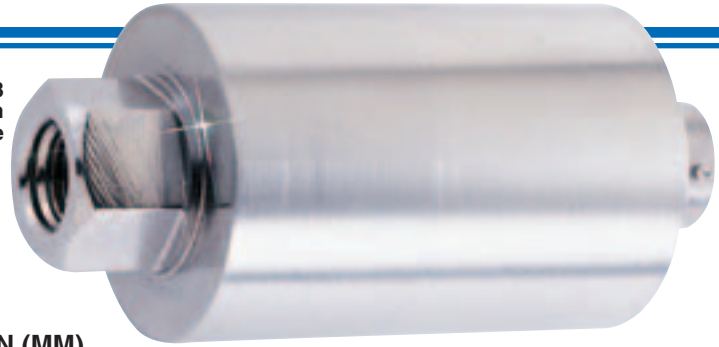


# 0.25% Accuracy Pressure Transducers All Stainless Steel Construction

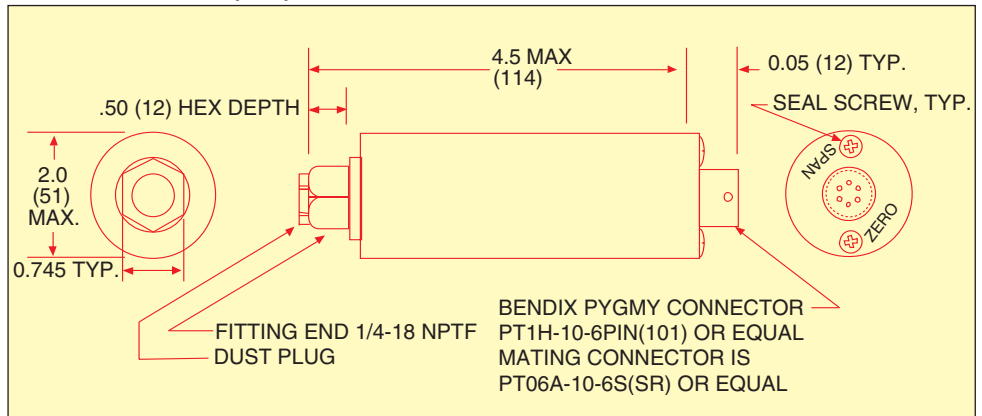
**Model 5SE01313**  
0 to 5 thru 0 to 5000 PSI  
Isolated 0-5 VDC Output

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	

**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.

## SPECIFICATIONS

**Recommended Excitation:** 28 VDC ±4 VDC

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

**Zero Balance (% RO):** ±10% Adjustable (Min.)

**Temperature Effect on Zero Balance (% RO):** 0.0015/°F (0.0027%/°C) Max.

**Temperature Effect on Output (% Reading):** 0.0020/°F (0.0036/°C) Max.

**Compensated Temperature Range:** -25 to 150°F (-32 to 66°C) Min.

**Safe Over Temperature Range:** -65 to 250°F (-54 to 121°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.)

1-800-872-3963<sup>SM</sup>  
1-800-USA-DYNE

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OMEGADYNE  
CEC Pressure Products  
OMEGADYNE, INC: Cage - 09AL6





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