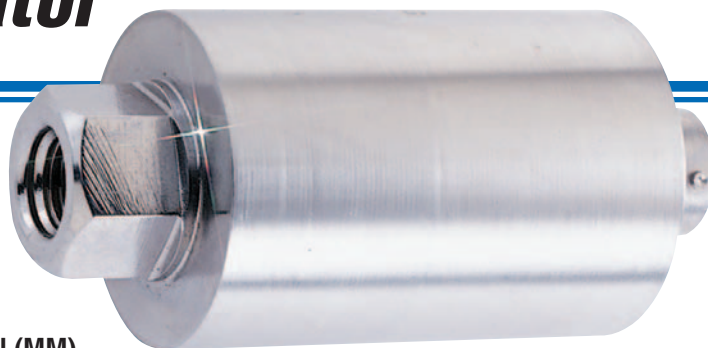


Sputtered Gauge Pressure Transducer with Amplifier/Regulator

Model 6SE01079
0 to 5 thru 0 to 5000 PSI
Isolated 0-5 VDC Output



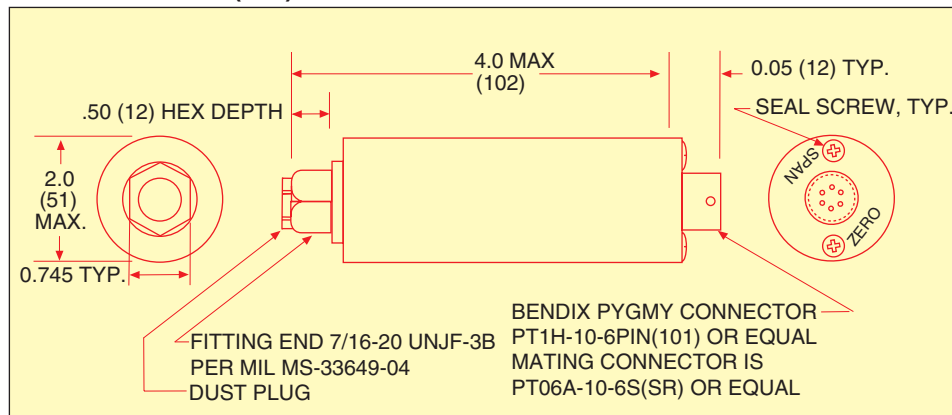
Model 6SE01079
 Shown Smaller Than
 Actual Size



- ✓ High Accuracy
- ✓ Rugged Sputtered Strain Gauge Design
- ✓ All Stainless Steel Construction
- ✓ Isolated 0 to 5 VDC Output
- ✓ Internal Shunt Resistor to Simulate Transducer Output
- ✓ Proven Performance in Extreme Applications

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	

DIMENSIONS: IN (MM)



SPECIFICATIONS

Recommended Excitation: 28 $\pm$ 4 VDC

Rated Output (RO): 5 VDC $\pm$ 0.10% ($\pm$ 10% Adjustable) Short Circuit Protected

Zero Balance (% RO): 0 VDC $\pm$ 10% Adj. (Min.)

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

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

Compensated Temperature Range: 0 to 150 $^{\circ}$ F (-18 to 66 $^{\circ}$ C)

Safe Over Temperature Range: -65 to 200 $^{\circ}$ F (-54 to 93 $^{\circ}$ C)

Safe Overpressure Range (%RO): 150% RO (Max.)

Ultimate Overpressure Range (%RO)
5 to 5000 psi: 300% RO (Max.)
 (Diaphragm shall not rupture)

Combined Effects Non-Linearity, Hysteresis and Repeatability: 0.15% (Typ.), 0.25% RO (Max.)

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

Thermal Zero Stability: 0.15% RO (Max)

Thermal Sensitivity Stability: 0.10% RO (Max.)

Total Error Band (RSS): Root Sum Square (RSS) addition of errors due to non-linearity, hysteresis, non-repeatability (BSL) zero balance shift ($\pm$ 0.003% RO/ $^{\circ}$ F Nominal) and rated output shift ($\pm$ 0.003% RO/ $^{\circ}$ F Nominal). Shall not exceed 0.50% RO referenced at +75 $^{\circ}$ F (24 $^{\circ}$ C).

Custom Ranges Available!

To Order (Specify Part Number)

Part Number	Instrument Range	Units	Accuracy
6SE01079-1	0-5	PSIG	0.25%
6SE01079-2	0-10	PSIG	0.25%
6SE01079-3	0-20	PSIG	0.25%
6SE01079-4	0-50	PSIG	0.25%
6SE01079-5	0-100	PSIG	0.25%
6SE01079-6	0-150	PSIG	0.25%
6SE01079-7	0-200	PSIG	0.25%
6SE01079-8	0-500	PSIG	0.25%
6SE01079-9	0-1000	PSIG	0.25%
6SE01079-10	0-1500	PSIG	0.25%
6SE01079-11	0-2000	PSIG	0.25%
6SE01079-12	0-5000	PSIG	0.25%
6SE01079-13	0-50	IN.HgG	0.25%
6SE01079-14	0-100	IN.HgG	0.25%
6SE01079-15	0-200	IN.HgG	0.25%
6SE01079-16	0-500	IN.HgG	0.25%
6SE01079-17	0-1000	IN.HgG	0.25%
6SE01079-18	0-20	PSIA	0.25%
6SE01079-19	0-50	IN.H ₂ OG	0.25%
6SE01079-20	0-300	PSIG	0.25%
6SE01079-21	0-600	IN.HgG	0.25%
6SE01079-22	0-50	IN.HgA	0.25%
6SE01079-23	0-100	IN.HgA	0.25%

Ordering Example: 6SE01079-6, 0 to 150 psig sputtered strain gauge transducer, 0.1% accuracy with isolated 0 to 5 VDC output. Consult factory for price and delivery.

OMEGADYNE, INC.: Cage - 09AL6
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 Bell and Howell/CEC: Cage - 14028

T-Hydronics: Cage - 8W004
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• Flow and Level

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• pH and Conductivity

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

• Data Acquisition

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• 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, Pressure Transmitters, Strain Gauges, 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