



ABSOLUTE PRESSURE TRANSDUCER

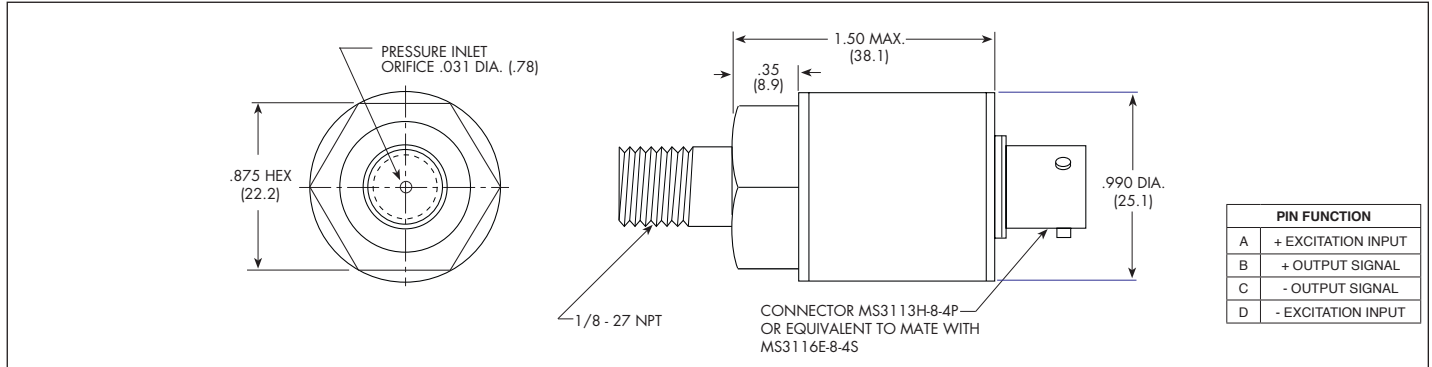
SPT-1000 SERIES

- All Stainless Steel Construction
- Hermetically Sealed
- Dielectrically Isolated
- Silicon on Silicon Sensor

The SPT-1000 Series Pressure Transducer offers state of the art technology in a low cost mechanically robust package.



Kulite recommends the [KSC Series](#) of signal conditioners to maximize the measurement capability of the SPT-1000 transducer.



	100	200	300	2500 PSI	
INPUT	Pressure Range	100	200	300	2500 PSI
	Operational Mode	Absolute			
	Over Pressure	2 Times Rated Pressure			
	Burst Pressure	3 Times Rated Pressure			
	Pressure Media	Any Liquid or Gas Compatible With 17-4PH or 316 Stainless Steel			
	Rated Electrical Excitation	12 VDC			
	Input Impedance	> 1000 Ohms			
OUTPUT	Output Impedance	2000 Ohm (Max.)			
	Full Scale Output (FSO)	100 mV (Nom.)			
	Residual Unbalance	± 5 mV (Typ.)			
	Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% FSO BFSL (Typ.)			
	Hysteresis	± 0.1% FSO (Max.)			
	Repeatability	± 0.1% FSO (Max.)			
	Resolution	Infinitesimal			
ENVIRONMENTAL	Insulation Resistance	50 Megohm Min. @ 50 VDC			
	Operating Temperature Range	0°F to +250°F (-18°C to +120°C)			
	Compensated Temperature Range	80°F to +180°F (25°C to +80°C)			
	Compensated Total Error Band	± 2%			
PHYSICAL	Humidity	100% Relative Humidity			
	Pressure Port	1/8 - 27 NPT			
	Electrical Connection	MS3113H-8-4P or Equivalent			
	Weight	80 Grams Approx.			
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon				

