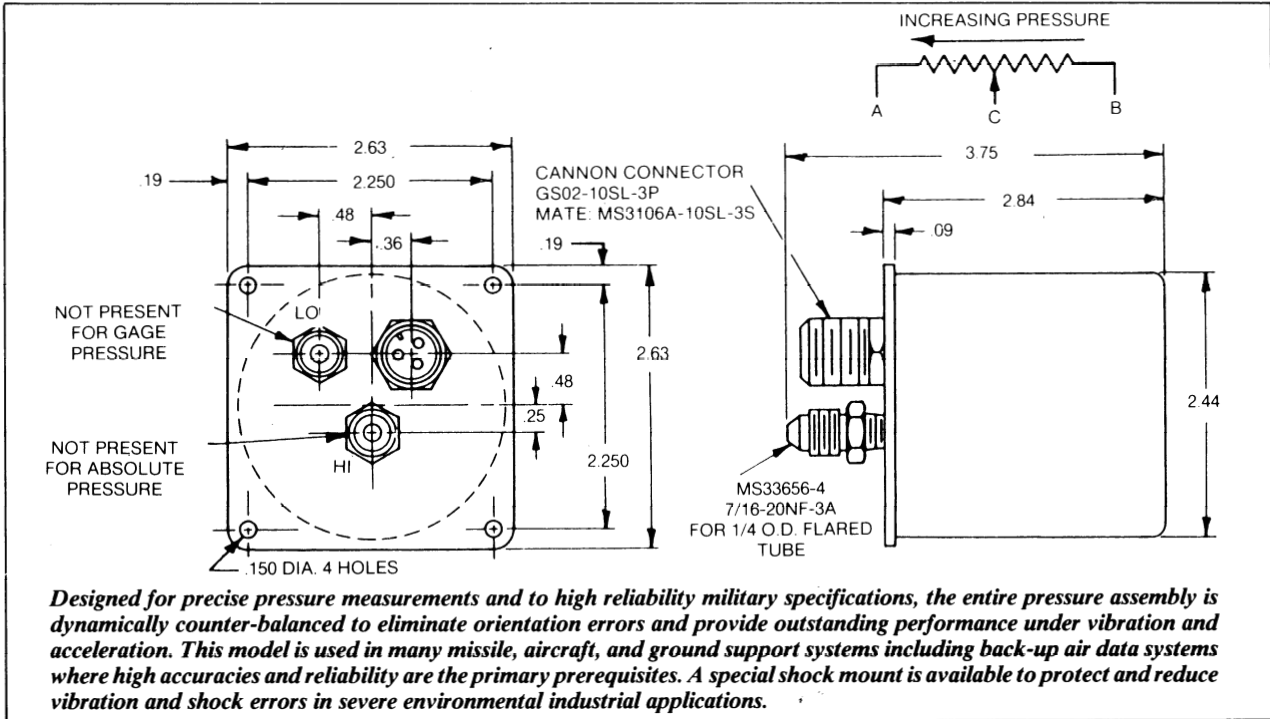




SYSTEMS, L. L. C.

WWW.VSENSORS.COM

# POTENTIOMETER TYPE, INFINITE RESOLUTION PRECISION, LOW PRESSURE TRANSDUCER MODEL 6100



### ELECTRICAL SPECIFICATIONS:

Pressure Range	Any range to suit from 0-2 to 0-200 PSI Gage or Differential 0-5 to 0-200 PSI Absolute
Terminal Resistance	50Ω to 10KΩ ± 10%
Independent Linearity	To ±0.3% F.S.
Repeatability	±0.05% F.S.
Power Rating	0.10 to 0.20 Watts
Life	To 10 million cycles, depending upon application
Temperature Sensitivity	±0.02%/°C
Response Time	15 milliseconds to respond to 63% of step pressure input

### MECHANICAL SPECIFICATIONS:

Overpressure	20%	} Higher Available
Case Pressure	150 PSIA	
Weight	10 ounces	

### ENVIRONMENTAL: (Typical)

Temperature Range	-55° to +85°C
Acceleration Error	±0.05%/G to 30G
Pressure Media Absolute and Differential:	Air or oil, non-corrosive
Gage:	Any media compatible with Ni-Span-C, Stainless Steel & Aluminum

### TYPICAL STATIC AND DYNAMIC ERROR BANDS (Based on ± 0.3% Linearity)

Pressure Range (PSI)	0-2 to 0-5	0-6 to 0-10	0-15 to 0-200
Static Error Band	+0.9%	+0.7%	+0.5%
Dynamic Error Band	+0.4%	+0.4%	+0.4%

-- An Electromotive Solutions Company --

2800 ANVIL STREET NORTH • ST. PETERSBURG, FL 33710 USA • PHONE: (727) 347-2181 • Fax: (727) 347-7520