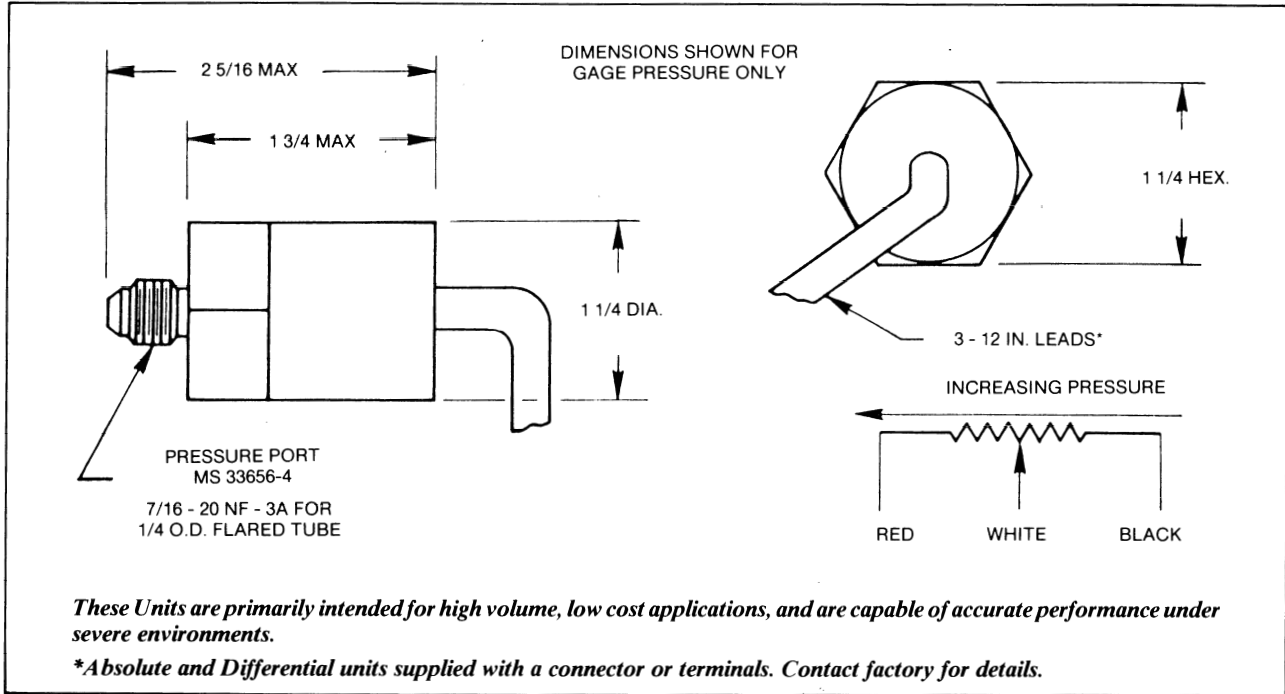




SYSTEMS, L. L. C.

WWW.VSENSORS.COM

# POTENTIOMETER TYPE, INFINITE RESOLUTION PRESSURE TRANSDUCER MODEL 2000



### ELECTRICAL SPECIFICATIONS:

Pressure Range	Any range to suit from 0-10 to 0-500 PSI Gage, Absolute or Differential
Terminal Resistance	50Ω to 10KΩ ± 10%
Independent Linearity	To ±0.5% F.S.
Repeatability	±0.1% 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	20 milliseconds to respond to 63% of step pressure input

### MECHANICAL SPECIFICATIONS:

Overpressure	50%	} Higher Available
Case Pressure	500 PSIA	
Weight	3 ounces	

### ENVIRONMENTAL: (Typical)

Temperature Range	-55°C to +85°C
Acceleration Error	±0.2%/G to 20G
Pressure Media Absolute and Differential:	Air or oil, non-corrosive.
Gage:	Any media compatible with Ni-Span-C, Aluminum & Stainless Steel

### TYPICAL STATIC AND DYNAMIC ERROR BANDS (Based on ±0.5% Linearity)

Pressure Range (PSI)	0-10 to 0-15	0-20 to 0-100	0-125 to 0-500
Static Error Band	±1.8%	±1.5%	±1.2%
Dynamic Error Band	±0.8%	±0.8%	±0.8%

-- An Electromotive Solutions Company --

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