



SYSTEMS, L. L. C.

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# POTENTIOMETER TYPE, INFINITE RESOLUTION VOLTAGE OUTPUT PRESSURE TRANSDUCER MODEL 3200

- Designed to Interface with Standard Voltage Driven Instrumentation
- The Transmitters utilize the same High Accuracy Conductive Plastic Potentiometric sensors featured in our standard Pressure Transducer line.

## FUNCTIONAL SPECIFICATIONS

- Service: Liquid, Gas or Vapor compatible with Ni-Span C, Brass and Stainless Steel
- Ranges: Any range to suit from 50 to 5000 PSI Gauge or Absolute; Overpressure 20% of Full Scale Pressure.
- Output: True Non-Ratiometric Voltage Output with Reverse Polarity Protection
- Trims: Non-Interacting Zero and Span Trimmers, (Preset at the Factory to  $\pm 0.5\%$  of FS)
- Damping: Time Constant fixed at 0.1 Second. Other values available.
- Power: External Power Supply required, 10 to 32 VDC; for 1-5V and 0-5V and 0-5V models, 15-32 VDC for 0-10V model. Power input is Reverses Polarity Protected.
- Insulation: 500 Megohms min at 50 VDC

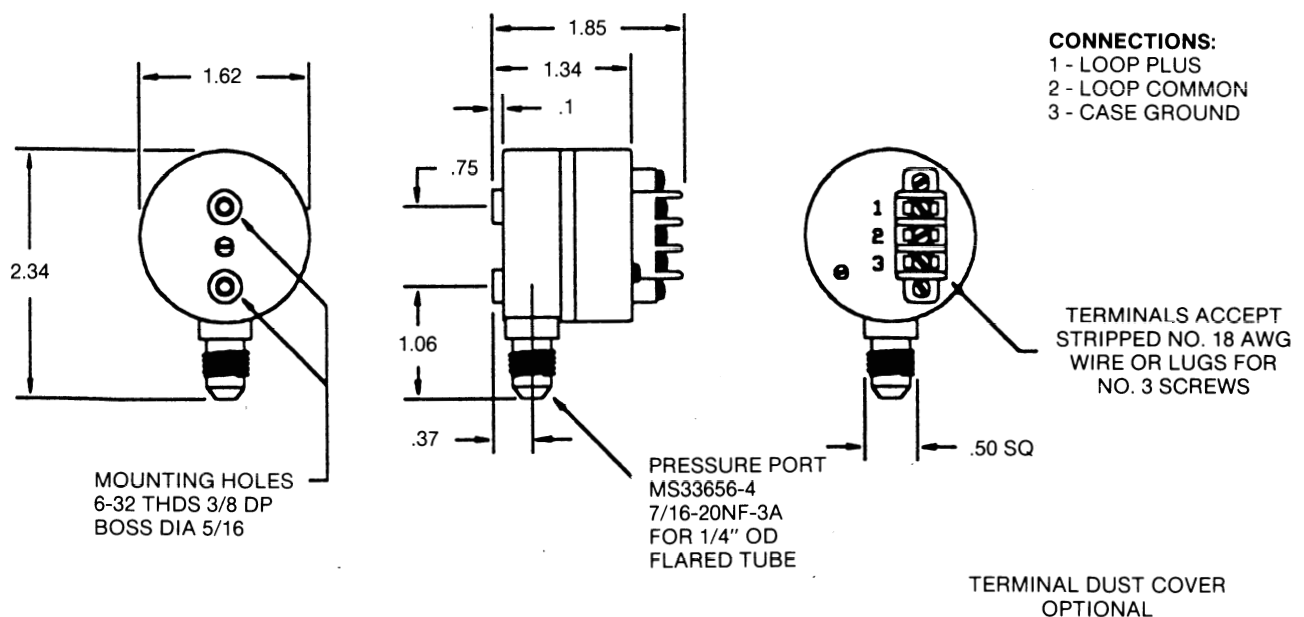
## PERFORMANCE SPECIFICATIONS

- Ind. Linearity: to  $\pm 0.5\%$  FS
- Repeatability:  $\pm 0.1\%$  FS
- Supply Sensitivity: 0.0025% FS/VDC
- Temp. Sensitivity:  $\pm 0.2\%/^{\circ}\text{C}$
- Life: to 10,000,000 cycles (depending on application)

## ENVIRONMENTAL SPECIFICATIONS

- Operating Temp Range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Acceleration Error:  $\pm 0.1\%/G$  up to 20.0G
- Immune to RFI Noise

## MECHANICAL OUTLINE



-- An Electromotive Solutions Company --

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