The Series 644 High Accuracy Pressure Transmitter is a robust transmitter designed for high accuracy pressure applications. Boasting an accuracy of ±0.05% FS RSS (<±0.25% TEB), the 644 is intended for precise measurements in the critical applications.

**FEATURES/BENEFITS**
- High accuracy provides exceptional measurement for ensuring tight-control and minimizing costly out of specification conditions
- NIST calibrated to provide traceability for regulated processes where production and documentation is monitored
- Low thermal error over a wide range of temperatures helps to insure accurate pressure measurement and process operation

**APPLICATIONS**
- Highly configurable cost-effective transmitter with a compact design
- Suitable for use in applications with extreme temperatures and aggressive fluids
- Highly configurable cost-effective transmitter with a compact design

**SPECIFICATIONS**
- Service: Compatible gases and liquids.
- Wetted Materials: 17-4 PH SS.
- Accuracy: ±0.05% FS RSS.
- Total Error Band (Includes all thermal effects): <±0.25% FS over entire temperature compensated range.
- Stability: < ±0.15% FS/year.
- Temperature Limits: -40 to 185°F (-40 to 85°C).
- Pressure Limits: Proof pressure and burst pressure: See pressure limits table below.
- Compensated Temperature Range: -4 to 140°F (-20 to 60°C).

**ACCESSORIES**
- 6-pin male bayonet connector
- 3 ft cable

**SERIES 638R**

**OEM PRESSURE TRANSMITTER**

Excellent Pressure Surge Resistance, Fast Response

The Series 638R OEM Pressure Transmitter is a high-accuracy, low-cost pressure transmitter designed for industrial equipment markets. This transmitter is designed to work with all liquids and gases that are compatible with the wetted materials. The series features a number of configurable options including wetted materials, process connections, and pressure ranges. Whether the application involves aggressive fluids or extreme temperatures, this transmitter is a great option for most applications.

**FEATURES/BENEFITS**
- High-accuracy pressure transmitter with a fast response time and excellent pressure surge protection
- Suitable for use in applications with extreme temperatures and aggressive fluids
- Highly configurable cost-effective transmitter with a compact design

**APPLICATIONS**
- HVAC equipment
- Refrigeration equipment
- Refrigerant recovery
- Leak detection systems
- Building pressurization
- Isolated diaphragm packages
- Closed loop hydraulics
- Paint and agriculture spraying

**SPECIFICATIONS**
- Service: Compatible gases and liquids.
- Wetted/Housing Materials: Brass, aluminum, or 316 SS.
- Accuracy: ±1.2% FS (includes linearity, hysteresis, repeatability and calibration); Static error band @ 25°C, 5.0 VDC supply voltage.
- Cycle Life: 10 million FS cycles.
- Storage Temperature: -40 to 302°F (-40 to 150°C).
- Operating Temperature: -40 to 275°F (-40 to 135°C).
- Pressure Limit: see model chart.
- Thermal Effect: ± 0.013% FS/°C.
- Power Supply: 5 VDC.

**ACCESSORIES**
- 6-pin female bayonet male connector
- 3 ft cable or Packard connection