

# INTRODUCING M3200 COMPACT INDUSTRIAL PRESSURE TRANSDUCER

- **Enable flexible design configurations supporting both amplified analog as well as digital output formats**
- **Offer a compact size with excellent vibration and shock resistance as well as EMC compliance and is suitable for harsh conditions**



Maintaining reliable performance of the applications in harsh environments is challenging for the Industrial markets such as HVAC/R, air compressors and injection molding machines. TE Connectivity's (TE) M3200 will work well in these applications by providing the reliable pressure outputs required to achieve optimal performance in unfriendly environments. The M3200 is a compact Industrial Pressure Transducer specially designed to measure liquid or gas pressure even for aggressive media such as contaminated water, steam and mildly corrosive fluids.

The M3200 is constructed of robust stainless-steel and is available in both amplified analog as well as digital output which is ideal for IIOT applications. Built on Microfused technology, the M3200 offers compact size, excellent price-to-performance and design flexibility for all the low to high volume OEM applications.

## APPLICATIONS

- Air Compressors
- Pumps and Pressurized Systems
- HVAC/R
- Hydraulic and Pneumatic Systems
- Automotive Test Systems
- Energy and Water Management
- Medical Gas Pressure
- Aircraft Service Equipment
- Remote Measuring Systems
- General Pressure Measurements
- Injection Molding Machines

## KEY BENEFITS

- Enable flexible design configurations supporting both amplified analog as well as digital output formats.
- Offer a compact size with excellent vibration and shock resistance as well as EMC compliance and is suitable for harsh conditions.
- Provide robust one-piece 17-4 stainless-steel construction that provides compatibility with many different media.
- Allow multiple configurations with a variety of process fittings and electrical connections.
- Fits into both low and high-volume OEM applications with an excellent price-to-performance ratio.

## PERFORMANCE

- Pressure Cycles: 1.0E+6 0°F.S. Cycles
- Storage Temperature: -40 to +125 °C
- Accuracy: -0.25 to +0.25 %F.S. BFSL
- Long Term Stability ( 1 year): -0.25 to +0.25 %Span
- Total Error Band (non-mV output): -1.5 to +1.5 %Span
- Pressure Accuracy (RSS combined Non-linearity, Hysteresis, and Repeatability): -1 to +1 %F.S. BFSL @25 °C
- Output at Zero Pressure: 750 to 1250 Count
- Output at FS Pressure: 14,720 to 15,250 Count
- Supply Voltage: 2.7 to 5.0 V
- Current Consumption: 3.5 mA
- Temperature Accuracy: -3 to + 3°C

## TARGET MARKETS

- Industrial
- Test and Measurement
- Medical

## LEARN MORE

[M3200 Model Detail Page](#)

[Pressure Transducers and Transmitters Landing Page](#)

[M3200 Datasheet](#)

[M3200 Performance Overview Video](#)

[M3200 White Paper](#)

[M3200 Pressure sensor Webinar](#)