As today’s factories evolve into more industrial internet of things (IIoT) friendly facilities, there is a growing focus on how sensors in industrial machinery can increase efficiency and productivity. TE Connectivity’s (TE) pressure, position, temperature, speed and vibration sensors play a variety of essential roles within machinery on the factory floor. The functions of these sensors allow facilities to utilize best practices including predictive maintenance, asset monitoring, machine and process automation to confirm decreased downtime and increased profitability for manufacturers. Additionally, our sensors are designed to withstand harsh environmental conditions such as high temperatures or dirty surroundings while still accurately measuring and monitoring machinery.

- FORCE
- PIEZO FILM
- POSITION
- PRESSURE
- TEMPERATURE
- VIBRATION

QUALITY STATEMENTS
- AS 9000B
- ATEX
- EN 9100
- EN 13980
- ISO 14001
- ISO 9001
- NADCAP Welding & Brazing
- NASA Qualified
PIEZO FILM SENSORS

**LDT0**
The LDT0-028K is a flexible component comprising a 28 µm thick piezoelectric PVDF polymer film with screen-printed silver ink electrodes, laminated to a 0.125 mm polyester substrate and fitted with two crimped contacts.

**Piezo Cable**
The piezo cable is another form of piezo polymer sensors. Designed as a coaxial cable, the piezo polymer is the dielectric between the center core and the outer braid.

**LVDT**
The HR series general purpose LVDTs provide the optimum performance required for a majority of position measurement applications.

**DOG1**
The DOG1 MEMS-series single axis inclinometer is manufactured for platform leveling, dynamic engine management, tip-over protection and tilt alarm.

**XS-B**
The XS-B series of subminiature LVDTs were specifically designed for micro applications, where small physical size is the prime requirement.

**SPI**
The SPI voltage divider compact string pot provides ease-of-use and flexibility for measurement ranges up to 50 inches.

**PRESSURE SENSORS**

**MS4515DO**
The MS4515DO is a small, ceramic based, PCB mounted pressure transducer.

**MS4525DO**
The MS4525DO is a small, ceramic based, PCB mounted pressure transducer.

**U5200**
The U5200 pressure transducer is a small, ceramic based, PCB mounted pressure transducer.

**U5300**
The instrument grade U5300 series +/-0.5% TEB pressure transducer from the ultra-stable line offers maximum flexibility for different configurations with its modular design.

**U5400**
The M5600/U5600 are 24-bit ADC wireless pressure transducers enclosed in a stainless steel and polycarbonate housing.

**TSEV**
The TSEV is a contactless temperature measuring system for OEM use based on the detection of infrared radiation.

**10K NTC Probe**
The 10K ohm resistance NTC micro thermistor probe is soldered to 30 AWG solid silver plated copper wire with PVDF insulation and potted in a polyimide tube with thermally conductive black epoxy.

**Pipe Probe**
The pipe probe series PRO4-overmolded probe consists of a NTC thermistor soldered to a 24 AWG stranded TPE cable and potted in a copper housing. The assembly is overmolded leaving the copper housing exposed. A metal clip is attached to the final assembly.

**10K NTC Probe**
The 10K ohm resistance NTC micro thermistor probe is soldered to 30 AWG solid silver plated copper wire with PVDF insulation and potted in a polyimide tube with thermally conductive black epoxy.

**U5400**
The M5600/U5600 are 24-bit ADC wireless pressure transducers enclosed in a stainless steel and polycarbonate housing.

**VIBRATION SENSORS**

**8021**
The model 8021-01 & 8022-01 are internally shielded rugged IEPE accelerometers designed for harsh environments.

**4000A**
The 4000A amplified uniaxial economy accelerometer offers a signal conditioned output with an integral temperature compensation dynamic range of 12g to ±100g.

**8911**
The 8911 wireless accelerometer sensor is designed for vibration monitoring in applications such as predictive maintenance and condition monitoring.