



AEROSPACE AND DEFENSE SENSORS

Long development cycles & high costs require aerospace companies to identify stable & reliable sensors. With AS9100 certified facilities to support Tier 1, 2 and 3 providers, TE Connectivity (TE) delivers a wide variety of mission-critical applications in aerospace and defense. Commercial and military aircraft OEMs around the world rely on TE innovations. By leveraging our core competencies in highly reliable sensors for harsh environments, we enable our customers to transform their concepts into creations - redefining what's possible using intelligent, efficient and high-performing TE products and solutions.

- POSITION
- PRESSURE
- TEMPERATURE
- TILT
- VIBRATION

QUALITY STATEMENTS

- AS/EN 9100
- ATEX
- ESA/ESCC Qualified
- ISO 14001
- ISO 9001
- MID 2004/22/EC Annex D
- NADCAP
- NASA/GSFC Qualified
- PART21G
- TS 16949

DESIGN/DEVELOPMENT

- DO-160
- DO-254
- GRESS
- MIL-STD-810

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PRESSURE SENSORS

1230

The 1230 is a high-performance temperature-compensated, piezoresistive silicon pressure sensor packaged in a dual-in-line configuration.



MS52xx/MS54xx

The MS52XX SMD pressure sensor series is designed for pressure systems with the highest demands on resolution and accuracy.



89U

The 89 uncompensated is a small profile, mediacompatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing.



P900

The P900 series test and measure pressure transducers are premium grade sensors that provide highly precise measurement of absolute, vented gauge, or sealed gauge pressures over wide temperature ranges.



M7100/U7100

The M7100 and U7100 pressure transducers are suitable for measurement of liquid or gas pressure, even for difficult liquids and gases, such as contaminated water, steam and corrosive fluids.



XPC10

The XPC10 series M10X1 mV miniature pressure transducer is specifically designed to measure static and dynamic pressures in temperatures from -40 to 220 °C (unamplified models).



EPIH

The EPIH is a subminiature pressure sensor, specifically designed for dynamic and high-frequency measurements with resonant frequency up to 1.7 MHz.



FORCE/TORQUE SENSORS

FN HL Series

The FN HL series flange mount provides measurement of force between geared rotary actuator and slat on high lift systems.



FN TH Series

The FN TH series load pin is responsible for the detection of secondary load path engagement on trimmable horizontal stabilizer actuator.



FN PC Series

The FN PC series are compact, high performing sensors that monitor pilot input forces for flight data recording.



FN EM Series

The FN EM series are ultra-flat compression sensors for integration directly into electro-mechanical actuators.



FN AF Series

The FN AF series monitors force between the electrical actuator and the ailerons.



TEMPERATURE SENSORS

Platinum Thin Film Chips

The platinum thin-film chips come in an industry standard size and provide excellent long term stability and good accuracy and respond fast to temperature changes.



Platinum Thin Film Sensors

The platinum temperature sensors are designed to provide precise, stable measurement in extreme temperature applications. These sensors offer high value through proven design, ease-of-use, reliable performance and quick availability.



Glass Wire Wound Sensors

The RTD temperature sensor that's resistant to external forces and pressures with a short response time.



44900 Series

The 44900 series temperature sensors are NASA-Qualified epoxy encapsulated precision interchangeable NTC thermistors for use in extended space flight applications.



Nickel RTD

The nickel RTD elements are designed for harsh environments, have very small dimensions and provide good linearity with a high temperature coefficient.



Radial Leaded Thermistors

The BetaCURVE Series I NTC thermistors are small epoxy coated devices with solid tin-plated lead wires.



Axial Thermistors

The DO-35 is a glass encapsulated NTC thermistor for various applications and industries.



Thermocouple Probes and Harnesses

The Model 200 thermocouple probe is constructed with a stainless steel case. The sensing junction is embedded into the tip of the sheath.



Surface Sensors

The surface sensors are designed for curved or uneven surfaces, are simple to install and are available with a range of sensing elements.



POSITION SENSORS

Resolver

The Multi-Coil Resolver (MCR) sensor is designed to determine synchronous electric motor rotor position by scanning magnetic fields.



Synchro

The synchro sensor proved 360° of sensing are robust, wear-free and EMI insensitive and can sense up to 10,000 rpm.



Multiturn Position Sensor Unit

The multiturn position sensor is robust and DO160 qualified and provides accurate rotational sensing for up to 360 turns.



6000 Series

The 6000 series servo mount position sensor has infinite resolution, a wide operating temperature range and is designed for over 50 million cycles of useful life.



6200 Series

The 6200 series bushing mount position sensor has infinite resolution a wide operating temperature range and is designed for over 50 million cycles of useful life.



6900 Series

The 6900 potentiometer element has infinite resolution, a wide operating temperature range and is designed for over 50 million cycles of useful life and is available in ranges up to 350°.



6100 Series

The 6100 series hollow shaft position sensor has infinite resolution, a wide operating temperature range and is designed for over 50 million cycles of useful life.



M150/MTA

The M150 is smaller than a thumbprint and occupies a tiny space of only 0.74 x 0.74 x 0.38 inches.



MT2/MT3

The MT2A is a member of our family of rugged, accurate miniature cable-extension position transducers designed specifically for test applications.



5903/5905 Series

The 5900 series linear motion position sensor has infinite resolution, a wide operating temperature range and is designed for over 50 million cycles of useful life and is available in stroke lengths up to 4".



M12

The M-12 series of layer-wound LVDTs offer premium performance at standard LVDT pricing.



VIBRATION SENSORS

3038

The 3038 sensor is designed for application durability in extreme temperature, vibration and shock environments.



EGAXT

The model EGAXT miniature accelerometers combine a damping ratio of 0.7 (nominal) with built-in over-range stops that protect the unit against 10,000g shocks.



4602/4604HT

The model 4602 is designed for both static and dynamic measurements in critical and demanding applications.



34203B

The 34203B accelerometer has each mutually orthogonal axis precisely aligned, typically within 3/4 degree of the theoretical ideal.



7202A/7204A

The model 7202A is a case-isolated, high-temperature IEPE accelerometer with internal shielding.



PIEZO FILM SENSORS

Piezo Cable

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



ULTRASONIC SENSORS

LL-01

The LL-01 series liquid level switch uses proven ultrasonic technology combined with compact electronics yielding improved performance in aerated liquids.



LL-10

The LL-10 series liquid level switch is a direct replacement for mechanical float type liquid level devices.

