



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.

SENSOR TECHNOLOGIES



POSITION



PRESSURE



TEMPERATURE



TILT



VIBRATION



ULTRASONIC



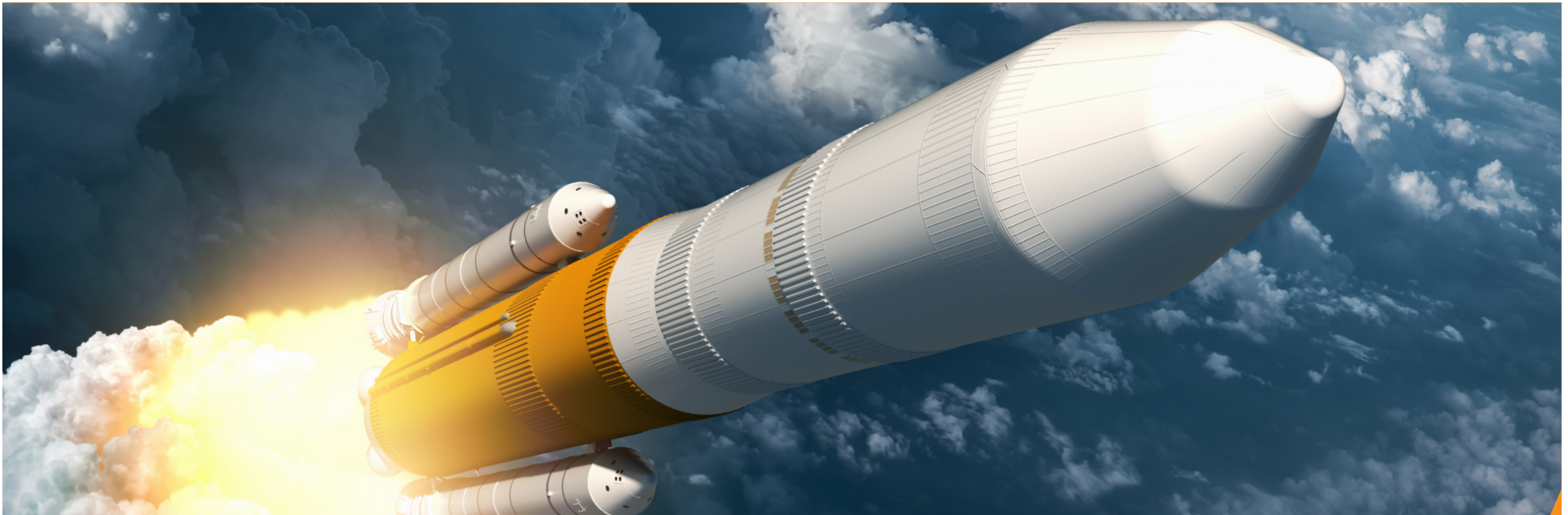
FORCE/TORQUE

QUALITY STATEMENTS

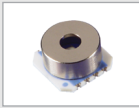
- AS/EN 9100
- ATEX
- ESA/ESCC Qualified
- ISO 14001
- ISO 9001
- MID 2004/22/EC Annex D
- NADCAP
- NASA/GSFC Qualified
- PART21G
- TS 16949

DESIGN/DEVELOPMENT

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



PRESSURE SENSORS



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, media compatible, 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, and 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 °C to 220 °C (unamplified models).

POSITION SENSORS



Resolver

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



6000 Series

The 6000 series servo mount position sensor with a virtually 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

This miniature cable extension position transducer is designed specifically for high acceleration demands in flight and crash testing applications.



M-12

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

TEMPERATURE SENSORS



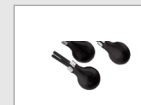
Platinum Thin Film Sensors

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 and reliable performance.



Glass Wire Wound Sensors

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



44900 Series

The 44900 series temperature sensors are NASA-Qualified epoxy encapsulated precision NTC thermistors designed 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 hermetically sealed, diode style NTC thermistor.



Thermocouple Probes

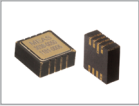
The Model 200 thermocouple probe is constructed with a stainless steel case. The sensing junction is embedded into the tip of the sheath.



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.

ACCELEROMETERS



3038

This surface mount DC accelerometer 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

This low power single axis accelerometer designed for both static and dynamic measurements in critical and demanding applications.

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.

FORCE/TORQUE SENSORS



FN TH Series

The FN TH series load pin is suitable for force measurement on rotating components and can be directly mounted on shackles.

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