



Industrial & Marine Turbine Engine Instrumentation

Our new technologies are continually finding new ways for solving problems. Decades of research and collaboration in the market brought us to the forefront with high

quality, specialty sensors that incorporate state-of-the-art technologies such as high-temperature electronics, optics and micro-electro-mechanical systems (MEMS).



UTC Aerospace Systems

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Combustor Flame Detection

One of the most critical measurements on an industrial or marine turbine engine is combustor flame detection. UTC Aerospace Systems Model 705 Series flame detector is a direct replacement for Geiger-Mueller (GM) tube style flame sensors. Its innovative design incorporates fiber optics for remote mounting of the low voltage solid-state electronics and has been proven to increase reliability.

Engine Speed and Torque Sensors

UTC Aerospace Systems has over 40 years experience developing engine speed and torque sensors. Our diverse line of sensors have proven success measuring speed and torque in extreme temperature, vibration and high rotational speed environments.

Pressure Transducer

Our strain-gage and silicon-capacitive transducers provide accuracy, stability, reliability for engine control and system monitoring.

Oil Level and Temperature Sensors

UTC Aerospace Systems offers a variety of capacitive oil level and temperature sensors for virtually any application. Our sensors provide reliable operation in high temperature, high vibration environments.

Inlet Temperature Sensors

Our inlet temperature sensors are designed to withstand the most demanding conditions. They provide accurate, reliable measurements in rugged environments of water ingestion, icing conditions, vibration and high flow rates.

Compressor and Turbine RTD Sensors

UTC Aerospace Systems platinum and nickel immersion RTDs are rugged, reliable and accurate. They are designed to provide dependable, problem-free operation withstanding extreme environments such as high temperatures exceed +600°C and severe flow conditions.

Hot Section Engine Thermocouples

Our hot section engine thermocouples are available in a variety of materials to satisfy your temperature and accuracy requirements. Our cost-effective thermocouples provide high performance and long operational life.

Benefits & Features

Easy retrofit on your engine with our flame detector technology reduces cost and improves reliability

For additional information:

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UTC Aerospace Systems

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