



## INDUSTRIAL AND MARINE TURBINE ENGINE INSTRUMENTATION

# PRESSURE, SPEED AND TEMPERATURE SENSORS

### Providing critical measurements in extreme environments

Collins Aerospace has decades of research and collaboration experience designing high-quality sensor solutions to survive the harshest environments.

From high accuracy pressure transducers to temperature and speed sensors that can handle high temperatures, our wide range of sensors provide the critical measurements needed to control any industrial or marine turbines.



#### KEY FEATURES AND BENEFITS

- Designed for industrial and marine turbine engine requirements
- High reliability in extreme temperature, vibration and rotational speed
- Wide variety of sensors for engine control and monitoring needs

### PRESSURE TRANSDUCER

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

### ENGINE SPEED AND TORQUE SENSORS

Collins has over 40 years experience developing engine speed and torque sensors. Our diverse line of sensors have proven successful measuring speed and torque in extreme temperature, vibration and high rotational speed 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

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

### TEMPERATURE SENSORS

We offer a variety of temperature sensors for virtually any application. Our sensors provide reliable operation in high temperature, high vibration environments.

### HOT SECTION ENGINE THERMOCOUPLES

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



Specifications subject to change without notice.



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