The Aerospace industry demands reliable and precise pressure, load, and torque sensors for a variety of critical applications.

When you are designing, testing, and building the latest products for the aerospace industry, you need sensors that can stand up to the job... able to perform under harsh and demanding conditions or in extremely tight spaces, rugged enough to withstand multiple testing runs, and provide precise, accurate results over time, every time.

See why more people turn to Honeywell for aerospace test and measurement sensors:

- More than 50 years of experience serving the aerospace industry
- Comprehensive portfolio of test and measurement sensor products
- High accuracy, reliability, and robustness
- Calibration, repair, and warranty service offered on all Honeywell test and measurement sensors
- Extensive custom engineering capabilities
  - In-house design capabilities
  - Global engineering and manufacturing expertise
- Custom designs available for:
  - Extreme operating conditions
  - Demanding specifications
  - Specific physical configuration requirements

10 in-H₂O to 160,000 psi
Pressure range possibilities available

50 g to 2,000,000 lb
Load cell capacity ranges available

Up to 205°C [400°F]
High temperature compensation range available on sensors

0.05 % FS Accuracy
High accuracy available on select sensor models

1 Billion Cycles
Fatigue Life
Select load cell models have zero to full scale fatigue ratings
### CAPABILITIES

#### Load Cells
- Low profile
- Miniature/subminiature
- Canister style
- Donut style
- In-line
- Load pins

#### Pressure Transducers
- General purpose
- Miniature
- Flush-mounted diaphragm
- High performance

#### Torque Transducers
- Reaction
- Slip-ring rotary
- Non-contact rotary transformer

#### Wireless Telemetry
- WDC analog telemetry
- TMS digital telemetry torque system

### Applications

**Load Cells**
- In-flight refueling*
- In-flight test of airframes and structural supports
- Pilot input forces (aileron, elevator, and rudder pedals)*
- Hook load sensor for helicopters*
- Ground-based airframe testing
- Throttle control sensors*
- Landing gear systems
- Braking systems

**Pressure Transducers**
- Aircraft environmental control system*
- Various hydraulic systems on flight test aircraft*
- Ground testing of aerospace support systems
- Component test validation and quality assurance
- Surface aerodynamic testing
- Tire pressure testing

**Torque Transducers**
- Aircraft hydraulic pump testing for R&D
- Flap actuator testing
- Satellite panel actuator testing system*
- Aircraft propeller testing*
- Aircraft engine testing

**Wireless Telemetry**
- Main rotor/tail rotor drive torque measurement
- Fuel pump testing
- Dynamic strain measurement on turbine blades for jet engines

### FOR MORE INFORMATION

Honeywell Sensing and Internet of Things services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing, or the nearest Authorized Distributor, visit sensing.honeywell.com or call:

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