



Accelerometers for Flight Testing

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Flight testing provides a significant challenge to the instrumentation engineer. PCB Piezotronics, Inc. manufactures accelerometers to handle the majority requirements during flight testing which include:

- Flutter and stability/controllability characterization
- Vehicle responses to loads for fatigue, strength, and stiffness/compliance characterization
- Aircraft and related systems' responses to mission, such as ordnance firing/release
- Characterizing the interaction between engines, airborne subsystems and the vehicle structure

Accelerometers for Vibration & Flutter Measurement:

- The teardrop single axis & miniature triaxial accelerometers exhibits minimum mass loading effects and installs adhesively into tight locations.
- The through hole or ring-type configurations install conveniently with a through bolt which may be rotated to achieve desired location of electrical connection.
- Ring-type accelerometers are also low profile, allowing installation in tight areas.
- DC accelerometers (those that measure down to zero Hz) that include internal power regulation to accept a broad range of power voltages.

Tips from Techs

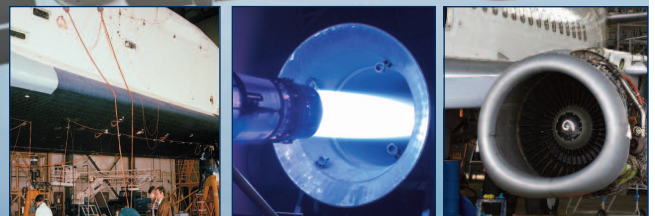
It is essential to use the removal tool supplied with each miniature sensor along with the appropriate de-bonding agent.



High-temperature accelerometers for measuring engine-excited vibration

Highlights:

- High temperatures upto 650°C
- Single ended and Differential outputs
- MI Hardline Cable with SS Braid



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