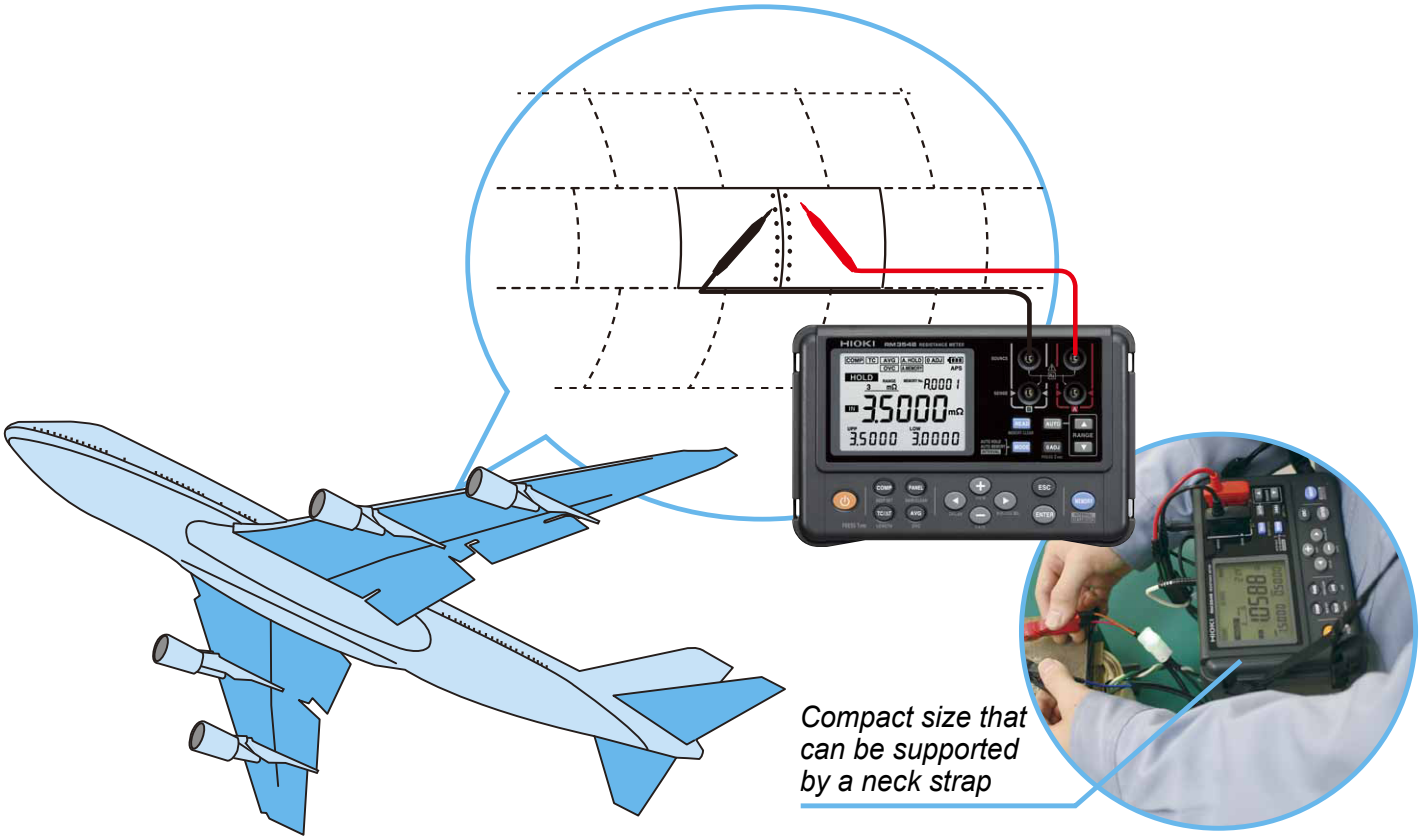
Testing the Electrical and Mechanical Condition of Aircraft Frames

The contact state of bolt-fastened panels and the state of welds is tested using minuscule resistance values with the Resistance Meter RM3548.

■ Highlights

- Aircraft components including the main frame, body, and internal metallic parts are required to be connected to the ground plane in order to minimize the effects of static electricity and lightning strikes.
  To verify proper connectivity, the status of connections throughout the fuselage is tested using resistance values. The Resistance Meter RM3548's neck strap, which makes the instrument conveniently portable, and its 0.1 μΩ resolution allow it to measure minuscule resistance values at a high level of precision.
- Functionality for automatically determining when the measured value has stabilized and then holding and recording it (auto-hold and auto-memory functions) increase work efficiency.



The Resistance Meter RM3548 provides functionality that is convenient for measurement in the field. An extensive selection of probes designed for use with different measurement targets ensures that probes can be selected based on the painted surface or shape with which they will be used. An LED Comparator Attachment lets you check judgments without the need to look at the instrument's display. Additionally, data saved in the instrument's memory can easily be transferred to a computer.

Products used

RESISTANCE METER RM3548
PIN TYPE LEAD 9465-10
PIN TYPE LEAD 9772
LED COMPARATOR ATTACHMENT L2105

Information valid as of January 2013.
Specifications are subject to change and revision without notice.

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