A200-HAS Installation Instructions

200 Series Hall Effect Current Shunt

WARNING

This document provides instructions for the installation of the A200-HAS Current Shunt, Rev. 01. Use of these instructions with any other product revision voids all warranty and certifications.

Functional Summary

The A200-HAS is a “no contact” current flow sensing shunt that will measure electrical current in the range of +/- 100A using a Hall Effect sensor.

Physical Installation

1. Select an appropriate location for the shunt. If the aircraft was equipped with a loadmeter or ammeter the most appropriate shunt location will be in close proximity to the device that was removed.

2. Verify that there is sufficient clearance for all wiring.

3. Secure the shunt with an appropriate nut and bolt (not supplied) using the provided mounting hole.

Installation Mode and Electrical Connection

Installation of the shunt will determine the mode of operation on the entire system. Choose the option that best matches the present installation in the aircraft.

- **Loadmeter**

  The current shunt is installed in series with the charging source (alternator or generator) but before the main power bus. The system will provide information relating to the output of the alternator (load placed on the alternator by the entire electrical system).

  - Connect the alternator output to the terminal marked **-** on the shunt.
  - Connect the supply to the remainder of the electrical system to the terminal marked **+** on the shunt.
  - Connect the red/black/orange wire bundle to the corresponding wire bundle form the instrument.

- **Ammeter**

  The current shunt is installed in series between the main power bus and the battery. In this mode the system will provide both load and drain information.

  - Connect the battery output to the terminal marked **+** on the shunt
  - Connect the remainder of the electrical system to the terminal marked **−** on the shunt.
  - Connect the red/black/orange wire bundle to the corresponding wire bundle form the instrument.