

Aircraft Lifting Equipment Load Cell

Industry: Aerospace

Summary

Customer Challenge

An aerospace company wants to check if the valves on their aircraft lifting equipment is working safely and properly.

Interface Solution

Interface's solution is to install a 1200 High Capacity Standard Precision LowProfile™ Load Cell in between the aircraft testing rig and the lifting jack. The load cell will measure the load's force safety valve when the lifting equipment opens. Results will be sent to the 9890 Strain Gage, Load Cell, & mV/V Indicator, where the customer can see it displayed in real-time.

Results

The customer was able to determine that the aircraft lifting equipment was working properly. Since they are ensured of its safe functionality, it can now be used on real aircrafts that need to be lifted.

Materials

- 1200 High Capacity Standard Precision LowProfile™ Load Cell
- 9890 Strain Gage, Load Cell, & mV/V Indicator

How It Works

1. A 1200 High Capacity Standard Precision LowProfile™ Load Cell is placed between the aircraft test rig and the lifting jack.
2. The 1200 High Capacity Standard Precision LowProfile™ Load Cell measures the forces of the lifting jack, to ensure it can lift the rig properly.
3. Force results are sent 9890 Strain Gage, Load Cell, & mV/V Indicator, where the customer can view displayed results in real-time.

