

Racing Shocks Testing Load Cell

Industry: Automotive and Vehicle

Summary

Customer Challenge

A shocks test must be conducted on an off-road racing vehicle. A shocks test is conducted to determine the durability and performance when there is sudden heavy forces or impacts.

Interface Solution

Interface's 1200 High Capacity Standard Precision LowProfile™ Load Cell can be installed into the shocks testing machine. Once the machine has been calibrated, a shocks impact test is done. The 1200 High Capacity Load Cell measure the different forces during the shocks test. Force results are captured by the 1200 and displayed using the 9840 Calibration Grade Multi-Channel Load Cell Indicator.

Results

Interface's 1200 High Capacity Standard Precision LowProfile™ Load Cells successfully evaluated the forces during the shocks test, determining how well it can handle the racing environment.

Materials

- 1200 High Capacity Standard Precision LowProfile™ Load Cells
- 9840 Calibration Grade Multi-Channel Load Cell Indicator
- Customer's shocks testing machine

How It Works

1. A 1200 High Capacity Standard Precision LowProfile™ Load Cell is installed into the shock testing machine.
2. A shocks test is conducted on racing car shocks, and the 1200 capture the forces.
3. When connected to the 9840 Calibration Grade Multi-Channel Load Cell Indicator, data results are displayed. If needed, the analog output of the 9840 can be connected to their control system to log and graph data.

