

Wood Compression Testing Load Cells

Industry: Infrastructure

Summary

Customer Challenge

Wood compression testing is used to test the strength, stiffness, and structural integrity of different types of wood. This is necessary for different industries where wood is implemented such as in construction, furniture making, and other scenarios. A force measurement system is needed during the testing operations.

Interface Solution

The 1331 Compression Only Load Cell can be installed in the compression load frame. A wood compression test is conducted, and the force results are sent to the customer's computer using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module.

Results

Interface's compression load cell successfully measured the compression forces of the wood being tested.

Materials

- 1331 Compression Only Load Cell
- INF-USB3 Universal Serial Bus Single Channel PC Interface Module with supplied software
- Customer computer
- Customer compression test frame

How It Works

1. The 1331 Compression Only Load Cell is installed into the wood compression test frame. A piece of wood is put under a compression test until failure.
2. The force results are sent through the INF-USB3 Universal Serial Bus Single Channel PC Interface Module to the customer's computer, where data can be displayed, graphed, and logged with supplied software.

