

Verification Test Stand Load Cell

Industry: Test and Measurement

Summary

Customer Challenge	Interface Solution	Results
Customer is looking for a way to verify if the load cell is in “good working order” for an upcoming test.	Interface proposed a solution with the customer’s supplied verification load frame, Model 1210 Precision LowProfile® Load Cell, connected with Model SI-USB4 4-Channel USB Interface Module.	Customer installed their load cell and Model 1210 Precision LowProfile® Load cell into the verification load frame, and applied forces were displayed and recorded by Model SI-USB4 4-Channel USB Interface Module for review and record keeping on customer’s computer.

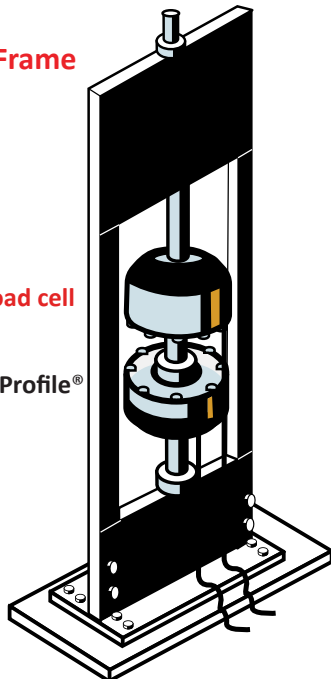
Materials

- 1210 Precision LowProfile® Load Cell
- SI-USB4 4-Channel USB Interface Module with included setup, logging, and graphing software
- Customer’s verification load frame
- Customer’s test load cell
- Customer’s supplied PC computer

How It Works

1. Customer installed their load cell to the customer’s verification load frame, connecting it to 1210 Precision LowProfile® Load Cell.
2. Customer applied the specific load by turning the manual actuator.
3. Applied forces were measured by the 1210 Precision LowProfile® Load Cell.
4. Results from the load cell under test and from the 1210 Precision LowProfile® Load cell were displayed and recorded by the SI-USB4 4-Channel USB Interface Module for review and record keeping on customer’s computer.

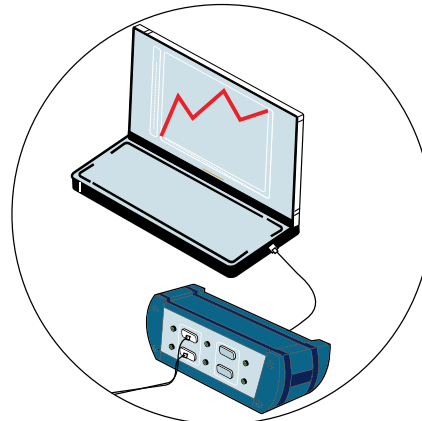
Verification Load Frame



Customer's test load cell

1210 Precision LowProfile®
Load Cell

Customer Laptop



SI-USB4 4-Channel USB Interface Module