# **Concrete Compression Testing** S-Type

## **Industry: Infrastructure**

#### **Customer Challenge**

Testing the strength of concrete is essential for assessing the structural integrity and performance of concrete in various construction and infrastructure applications. A compression test is needed to ensure the concrete meets the specific strength requirements for structural use.

### **Summary**

#### Interface Solution

Interface suggests using the 1101 **Compression-Only Ultra Precision** LowProfile<sup>™</sup> Load Cell in the compression test frame. A sample of concrete will be placed in the test frame, and the concrete during the concrete compression test. will be compressed. The measurements from the compression test are recorded using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module and logged when attached to the customer's PC laptop or computer.

#### Results

Interface's 1101 Compression-Only Ultra Precision LowProfile<sup>™</sup> Load Cell and paired instrumentation successfully measured and recorded the forces

## **Materials**

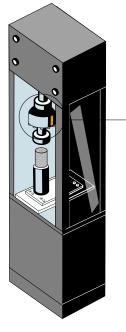
- 1101 Compression-Only Ultra Precision LowProfile™ Load Cell
- INF-USB3 Universal Serial Bus Single Channel PC . Interface Module with supplied software
- Customer PC or Laptop

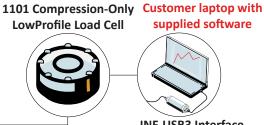
## How It Works

1. The 1101 Compression-Only Ultra Precision LowProfile<sup>™</sup> Load Cell is installed into the compression test frame

2. A compression test is done onto a concrete sample. The 1101 Compression-Only Ultra Precision LowProfile™ Load Cell measures the forces of compression.

3. These measurements are recorded using the INF-USB3 Universal Serial Bus Single Channel PC Interface Module, which can be viewed and logged when attached to the customer's PC laptop or computer.





**INF-USB3** Interface Module

#### **Compression Test Frame**

