

# Inventory Weighing Load Cell

## Industry: Manufacturing, Weighing

### Summary

#### Customer Challenge

Effective management of inventory is crucial for all businesses. In situations where monitoring and managing stock from a distance is necessary, maintaining precise records can be a challenge. A weight-based inventory management system is needed in real time.

#### Interface Solution

Interface suggests installing MBI Overload Protected Miniature Beam Load Cells under each corner of the inventory shelves. A JB104SS 4-Channel Stainless Steel Junction Box is connected to each load cell, and to a WTS-AM-1E that wirelessly transmits the sum weight to the WTS-BS-1-HA Wireless Handheld Display for multiple transmitters, and the WTS-BS-6 Wireless Telemetry Dongle Base Station when connected to the customer's PC. Results can be displayed, logged, and graphed seen in real time.

#### Results

The customer effectively monitored and managed their inventory using Interface's force sensors. It also led to lead to reduced labor expenses and fewer errors, enhancing overall productivity.

### Materials

- Multiple MBI Overload Protected Miniature Beam Load Cells
- JB104SS 4-Channel Stainless Steel Junction Box
- WTS-AM-1E Wireless Strain Bridge Transmitter Module
- WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied Log100 software
- WTS-BS-1-HA Wireless Handheld Display for multiple transmitters
- Customer PC or Laptop

### How It Works

1. Multiple MBI Overload Protected Miniature Beam Load Cells are installed in each corner of the inventory shelves. Each load cell is connected to a JB104SS 4-Channel Stainless Steel Junction Box.
2. Boxes of items or inventory is placed on the shelving.
3. The WTS-AM-1E wirelessly transmit the sum weight to both the WTS-BS-1-HA Wireless Handheld Display for multiple transmitters and the WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied Log100 software on the customer's PC. Data can be displayed, logged, and graphed.

