

# Livestock Weighing System

## Load Beam

Industry: Agriculture

### Summary

#### Customer Challenge

A rancher wants to accurately weigh their cows for multiple reasons. They want to make sure their cows are at a healthy weight, and also want to maintain their weight. But they also want to know the optimal time for breeding based on the weight of their livestock.

#### Interface Solution

Interface's solution is to bolt four SSB Sealed Beam Load Cells at the bottom of a metal platform, that is placed on the inside of the customer's cattle cage. Once the cow has walked onto the plate, the SSB Sealed Beam Load Cells will measure the force pressure applied. With all four connected to JB104SS Junction Box, which is then connected to the 480 Bidirectional Weight Indicator, combined accurate weight results will be displayed.

#### Results

The customer was able to determine accurate weight measurements of their livestock in order to keep them healthy, or, to determine when was a good time to breed.

### Materials

- Four SSB Sealed Beam Load Cells
- JB104SS Junction Box
- 480 Bidirectional Weight Indicator

### How It Works

1. Four SSB Sealed Beam Load Cells are bolted to the bottom of a metal platform, which was placed inside a cattle cage.
2. A cow was led inside the cattle cage, where it was weighed on the metal platform.
3. The multiple SSB's were wired together to a JB104SS Junction Box, which was then connected to the 480 Bidirectional Weight Indicator to measure the combined results of the four SSB Sealed Beam Load Cells.

