

Water Bottle Dispensing and Weighing Interface Mini™

Industry: CPG

Summary

Customer Challenge

A water bottle manufacturer wants to dispense the right amount of fluid into their bottles, and then weigh the water bottles to ensure it is at the labeled weight on their product packaging. This is both to minimize waste, but also to meet the standard requirements for consumers who will be purchasing their water bottles.

Interface Solution

Interface suggests using the MBP Miniature Beam Load Cell, and attaching it under a plate or platform the water bottle is placed on while it is being filled with fluids. The force weight is measured by the MBP Miniature Beam Load Cell, and connected to the 9870 High Speed High Performance TEDS Ready Indicator where results are captured, displayed, and can be recorded by the customer based on their needs.

Results

The water bottle manufacturer received high accurate results of each water bottle being weighed in real time.

Materials

- MBP Miniature Beam Load Cell
- 9870 High Speed High Performance TEDS Ready Indicator
- Customer's Control System

How It Works

1. The MBP Miniature Beam Load Cell is installed under the mechanism that dispenses water into the water bottles, with a plate or platform on top.
2. After the fluid is dispensed into the water bottle, the MBP Miniature Beam Load Cell measures the forces applied.
3. Connected to the analog output of the customer's control center, the 9870 High Speed High Performance TEDS Ready Indicator will display and record highly accurate result.
4. If the bottle does not meet the standard weight requirements, the quality department will be notified that it needs to be quarantined and sent for review.

