



ZM223

Avery Weigh-Tronix

Spot Check QA Weight Station & Data Monitoring System Application

Overview

Regularly spot-checking products is crucial for maintaining efficiency in fast-paced production or process lines. Quickly identifying trends or changes in weight can help detect potential issues early, preventing costly problems. Monitoring these small weight changes can also highlight tooling wear that may need attention during the next scheduled maintenance. Additionally, it allows for minor inline machine adjustments without halting the entire process.

The ZM223 Indicator is fast, accurate, and user-friendly for these applications, minimizing errors.

Key benefits



Retrieving stored data transactions in the ZM223 for **quality spot checks is straightforward** with any of the communication ports: RS232, USB, Ethernet, or the latest addition, Bluetooth®. The Bluetooth feature enables a QA inspector to connect to the indicator via the **Avery Weigh-Tronix Remote Assist™ Mobile App** to **extract data effortlessly**.



The ZM223 **simplifies tracking trends** using X Bar, R, or other statistical programs. This feature makes it easy to observe trends over time, clearly indicating when and where changes in product output occur.



During manual inspections, the ZM223's **visual aid tool**, featuring an Under/Over/Accept band and a new color-changing backlight, **significantly reduces inspection time** and enhances efficiency.

Application Features

Efficient Data Capture and Transfer

Automatically recording each weight transaction directly into the ZM223 or PC minimizes human error and allows the quality inspector to concentrate more on monitoring the quality of the product rather than on record-keeping.

Simple Recovery of Stored Data Held within the ZM223

The ZM223 has an internal micro-SD database storage system that efficiently allows large amounts of data to be directly stored within the indicator or transferred directly to a PC using one of the standard comm ports within the scale: RS232, USB Ethernet, or Bluetooth. However, running data connection cables in washdown food environments is not recommended and can be very costly to install. In these applications, the ZM223 internal data storage system provides a simple but very effective solution to accurately store this data internally until needed.

Easy to See Visual Check Window

Simple, time-saving features like using the under-over-accept bands allow quality inspectors to work faster. The method of just watching for the accept visual helps improve accuracy and speeds up throughput, as the operator has less to concentrate on. This helps them remain more focused for longer periods of time.

Tracking Trends and Efficiency

The current checkweighing app includes tracking trends as standard in the ZM223. Other built-in data capture features can efficiently track trends in the background. For example, X Bar R or other stats programs track the average weight deviation along with the highest and lowest readings as seen over a set period of time. These programs are all designed to provide additional back-office data to help improve process line efficiencies.

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