ZM223

Check-Count Application

Avery Weigh-Tronix

Overview

The ZM223 Indicator is designed to provide accurate counting and component traceability every time and is suitable for a wide range of applications. When paired with the BSQ base, the ZM223 becomes ideal for harsh industrial environments.

This digital base solution can provide outstanding count accuracy, allowing you to accurately count both small and large components with 99.75% accuracy.

Key benefits

It gives a **clear visual** of the number of parts and products that are being counted and weighed in an application. This **reduces the amount of unwanted giveaway** or the ability to under count products.

Within the ZM223, the check-count app comes with a **pre-warning function** built into this program that allows the indicator to be set at a **predefined number of components** before the target quantity has been reached.

The **PLU database makes operations efficient** by storing piece weights, box tare weights, part numbers and descriptions to allow easy identification of product during production.

Application Features

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Improve Check Counting Accuracy

In many automated processes today, manual packing of parts is becoming less common. Most component parts, such as turned parts, screws, nuts, washers, plastic moldings, and pressings, are mass-produced on automated machinery that continuously makes the same part. In most applications, parts are automatically dropped into a box or bag directly from the machine. Placing a weighing platform with a check-counting feature under the filling station allows operators to monitor when the box or bag is nearly complete, reducing overfilling or underfilling. Once the required quantity is reached, the ZM223 check function can alert the operator by changing the display to green.

Simple and Effective

The ZM223 is designed to be easy to use with simple sampling steps and checkweighing aids. With a large, easy-to-read color changing backlit display, it can be set at eye level to help a machine operator know where the machine is within the box-filling process. Using the under/over/accept visuals, the operator can efficiently work between different machines, knowing that each packed box will have the correct quantity of parts in them.

Custom Print Labeling

The ZM223 has the flexibility needed to allow print labels or print tickets to be easily customized to meet your full labeling requirements. When you use it in conjunction with the Avery Weigh-Tronix Remote Assist™ Mobile App, this allows easy edits of any UDF data fields (customer name, address, location, batch number, other) directly from the phone screen prior to its printing the label.

Early Check-Fill Warning Function

In many component box/bag filling applications, the box or bag fills automatically from the machine making the parts. Operators often control multiple machines simultaneously, requiring an early warning system to indicate when a box or bag is nearly full. The ZM223 Check-Counting App includes a pre-warning function that can be set to alert the operator a predefined number of components before the target quantity is reached. This adjustable pre-warning provides ample time for the operator to attend and change the box before it is full.

Up to 500 PLU Data Storage Slots

The ZM223 features 15 user-definable fields (UDFs) for entering customer data like names, addresses, and descriptions, which can be customized directly from a phone or web page and printed as needed. Additionally, key component information, including piece weights, box tare weights, part numbers, and descriptions, can be stored in the 500 PLU Data Storage Slots, which support up to eight customizable fields (PLU number, part number, description, piece weight, tare weight, target, and under/over tolerances) for efficient component changeovers.

Large, Easy-to-Read Display

The ZM223 features a large, easy-to-read display with a color changing backlight to indicate when a box or bag is full. The display shows RED for under-target counts, GREEN for acceptable counts, and ORANGE for over-target counts. It also has segments indicating how many parts are over or under the target, providing a clear visual representation for adjusting the box quantity.