



ZM223

Avery Weigh-Tronix

Percentage Weight Gain Monitoring Application

Overview

The ZM223 Indicator is a cost-effective, standalone inspection scale designed specifically for regularly monitoring and controlling the weight gain percentage in meats during the brine injection process. It is easy to install and use and accurately calculates the exact percentage of weight gained after meat passes through the brine injection machine.

The operator is given the exact weight gain percentage by weighing a portion of meat before and after it passes through the injection machine. This method is ideal for regular spot-checks to ensure the weight gain remains within the required tolerance levels.

Key benefits



The percentage weight gain application has **two steps**, making the process **simple**. First, the product is weighed before it goes through the brine injection process. Then, after the brine injection process, the meat sample is weighed a second time. The indicator will then display the exact percentage of weight gained.



Operator visuals are a key advantage making any percentage weight gain process **efficient** and ensuring there are checks and balances for an operator.

GREEN - within the allowable tolerance
RED - too low
ORANGE - too high



Capturing weight information is **available at your fingertips**. With **internal data tracking**, sample transactions can be recorded with under, over and accept status, and the time/date of the test.

Application Features

Highly Visible Display	<p>The ZM223 uses a large, visible 1.5" (38 mm) high digit display with a color changing backlight to help identify if the sample is within the required percentage weight gain window needed for a specific process.</p> <p>GREEN - percentage weight gain is within the allowable tolerance</p> <p>RED - percentage weight gain is too low</p> <p>ORANGE - percentage weight gain is too high</p>	Internal Data Tracking	<p>Internal data tracking can be turned on to record each sample transaction along with its under-over or accept status and time/date of test. This is ideal for removing human error and speeding up QA inspection.</p>
Simple Two-Step Operation	<p>Setting up and using the ZM223 percentage weight gain application is very straightforward. This app allows operators to easily monitor and track the percentage weight gain of meat portions after they pass through a brine water injection machine.</p> <p>Step 1: Weigh the meat sample before it enters the brine injection machine</p> <p>Step 2: Weigh the same portion of meat after it exits the brine injection machine. The ZM223 display will show the percentage of weight gained for that piece of meat and provide clear visual indicators. Everything is fine if the weight gain percentage falls within the GREEN accept tolerance band. If it shows RED or ORANGE, the operator must adjust the machine's flow and retest the sample.</p>	Data Retrieval	<p>Retrieving data directly from the indicator can be as simple as plugging a USB memory stick in at the bottom of the indicator, or by pairing the indicator directly to the Remote Assist mobile app on a tablet or phone using Bluetooth®. Both methods take seconds to complete and can be done in the background without slowing down the scale operator.</p>
500 PLU Database	<p>The PLU database is ideal for storing up to 500 different percentage weight gain parameters within the indicator so that product changeovers can happen quickly and efficiently.</p>	Data Storage	<p>Data can be stored internally or directly requested and sent to a PC using one of the many modern connectivity ports found on the ZM223 - RS232, USB, Ethernet or Bluetooth.</p>

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