



ZM223

Peak Hold Application

Avery Weigh-Tronix

Overview

When testing the failure point of materials and components, capturing the actual yield point at which the product fails manually by eye can be relatively challenging.

When completing destruction testing, the ZM223 Indicator will accurately capture the peak load or force required before the product fails.

The ZM223 will display the increased force applied to the product until failure occurs. Once the failure point is reached, the actual peak force needed for failure is recorded and displayed. The reading will remain held until cleared by the user, providing actual confirmation of the forces needed to make the product fail.

Key benefits



The ZM223 accurately captures the peak load or force required to determine a product's failure point. Once the failure point is reached, the "peak" load is recorded on the screen and held to record appropriately.



Safety is a valid concern when operating equipment that tests a product's failure points. The ZM223 can be viewed and controlled from a safe distance using a web browser and a PC or the Avery Weigh-Tronix Remote Assist™ Mobile App to capture the data and view the actual yield point.



Subject to what is being tested, the ZM223 can be viewed and controlled remotely using either the [Bluetooth® Remote Assist™ Mobile App](#) from a phone or tablet or viewed over a web browser page from a PC connected to the scale by Ethernet.

Application Features

Recording the Yield Point of Failure

In most industries, regular destruction tests are carried out on parts or materials to guarantee that the product will withstand the forces it has been designed to work in.

Being able to see and record its actual failure point is key to producing a successful product.

The ZM223, with its large, easy-to-read display, provides a live weight reading that can be seen from a safe distance. Once the failure occurs, the ZM223 will hold and record the actual weight/force the material failed at on display and the peak hold weight until the test is fully complete.

Fast, Simple Peak Hold Functionality

Using one key, the peak hold function can be activated by a single press of the F1 key. Any force applied after the F1 key is pressed will be recorded until the yield point is reached, where the weight reading will be held on the indicator display until the F1 key is pressed once again to reset the hold function.

Continuous Weight Data Capture

This is ideal for analyzing exactly how the actual yield failure occurred. The ZM223 allows the peak hold data to be closely analyzed, plotted, and recorded.

Remote Viewing From a Safe Working Distance

In many testing environments, some tests must be carried out and viewed remotely from a safe working area away from the actual test area. To aid this, the ZM223 comes standard with an easy to setup web browser deature that provides remote viewing of the same live weight data from any PC that is connected up to the same network as the indicator.

In addition, the Remote Assist™ Mobile App can also provide a portable live weight reading and indicator control from a much safer working distance

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