

**Avery Weigh-Tronix**

ZK840  
COUNTING SCALE



Highly accurate touch-  
screen counting scale



# ZK840

PROGRAMMABLE COUNTING SCALE

Fully programmable counting  
scale with inventory control

# Responsive Performance

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The ZK840 counting scale offers exceptional accuracy and flexibility. Fully programmable, with database inventory control and a suite of applications, this high resolution touch-screen scale has been designed with flexibility, ease of use and precision in mind.

## Exceptional Flexibility

At its simplest, the ZK840 can be used as a general high resolution weighing and counting scale. A range of applications, including checkweighing, with inventory control, balance and density weighing, grading and pick list programs is available for use and can be fully customized if required.

The ZK840 also offers a fully-configurable solution. The sleek design and user-friendly features provide an ideal platform to build a solution that has been specifically programmed and tailored to your business - with no need to compromise.

The 5.3" x 2.75" (135mm x 75mm) touch screen graphic display offers ease of use and extreme durability. Graphics and text such as user prompts result in a more intuitive interface, allowing users to navigate applications using the touch screen.

## Unrivalled Strength and Precision

Ideal for weighing anything from micro-components to large items, the ZK840 features highly accurate Quartzell™ weighing technology. With 100,000 divisions (non legal for trade) or 10,000 divisions (legal for trade: OIML, NTEP and Measurement Canada) and a 1 billion internal count resolution, the scale offers unrivalled precision.

A robust die-cast clamshell enclosure provides protection for the Quartzell transducer. 1100% overload protection and a spring breakaway mechanism protect the cell from shock and dropped loads, ensuring accuracy and repeatability in even the most extreme conditions.



**175 lb (80 kg) and 70 lb (35kg) models**  
12 in x 14 in (305 mm x 355 mm) platter



**70 lb (35 kg) model**  
9 in x 12 in (230 mm x 305 mm) platter



**10 lb (5 kg) and 2 lb (1 kg) Models**  
6 in (150 mm) round platter

## Checkweighing and QA Management

*(from application library)*

With clear under, over and accept weight bands providing a simple visual indication of whether the package falls within tolerance, the ZK840 is ideal for fast and efficient checkweighing or end-of-line quality control. Average checkweighing data is captured effortlessly within the built-in database, allowing production lines to be fine-tuned to maximize output.



## Balance and Density Weighing

*(from application library)*

With over 1 billion internal counts and a readability of over 3.5 million divisions the ZK840 can detect even the tiniest of weight changes with astounding precision. The scale conforms to the Good Laboratory Practices (GLP) quality system management controls used in many laboratories, offering precise lab-balance accuracy, density formulation, percentage weighing and percentage recipe on an industrial scale.

## Grading *(from application library)*

Often used when segregating items by weight, the in-built grading application and graphical display give users a clear indication of the grade and location of each item. Comprehensive data such as running total per location, last weight/weight band and Parts-per-minute (PPM) provides a complete overview of the production process, including operator efficiency, allowing users to make intelligent decisions on how to optimize results.





### Pick List Kitting Program

*(from application library)*

Combines filling, counting, checkweighing and QA applications to give an operator step by step picking instructions as on-screen prompts. On screen validation prevents steps being missed, helping to reduce common picking errors and ensure that the correct parts and quantities have been picked.



### Fully Programmable *(from application library)*

While built-in applications enable the scale to be set up and used with ease, the ability to tailor existing applications or create custom programs ensures that the ZK840 is suitable for almost any weighing requirement.

## High Resolution Weighing Applications

The tough and resilient bench base, combined with the extreme accuracy offered by the Quartzell, makes the ZK840 ideal for any application where strength and precision are essential.

### Counting Scale with Inventory Control

Created to adapt to most inventory control processes, the ZK840 counts and samples components quickly and accurately, speeding up processes and improving efficiencies when counting large numbers of identical parts.

With its digital Quartzell transducer, the ZK840 can accurately count small components from a minimum of 10 mg with an accuracy greater than 99.75%. The 1 billion internal count resolution enables the ZK840 to calculate accurate piece weight down to 10 decimal places.

Built-in database inventory control packages store piece weights and provide business-critical real-time stock data and statistical analysis that will help improve product line efficiency. The option to link to PLU Lookup, our external database system, enables users to capture, control and manage data for hundreds of thousands of parts on more than 32 linked scales.

The embedded web server allows a wide range of data to be served up on a web page, allowing it to be viewed on a PC or mobile device.





## User-Friendly Design

The large, low-power-draw screen is designed to ensure that the ZK840 is easy to use. Pre-defined or customer operator messaging and graphics can be displayed on screen, giving users a visual prompt and helping to speed up operations. The addition of a touch screen allows the user to navigate on screen information via a simple and intuitive interface.

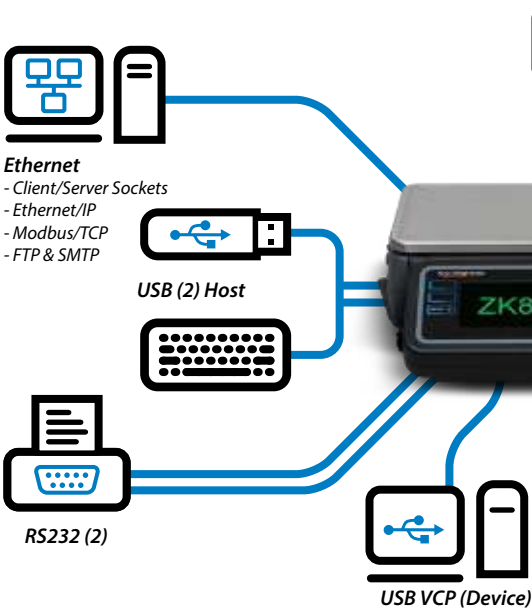
Mounted to the front of the base, the indicator can easily be removed from the base unit for desk or wall mounting. Up to five bases can be linked to the indicator, enabling the system to be expanded for larger system requirements.



## Connectivity Options

With a full range of ports, the ZK840 can be connected to a wide array of devices from PCs and printers, to scanners, remote displays, additional bases, external light stacks or memory cards. Ethernet (TCP/IP), RS232, USB, built-in and external I/O relays are available, with the option to extend the number of ports for additional flexibility.

### STANDARD CONNECTIVITY



### OPTIONAL CONNECTIVITY



**Avery Weigh-Tronix**

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