

Avery Weigh-Tronix



Checkweighing solutions for  
food processing and beyond.

ZQ

375 CHECKWEIGHER

*Built to meet the fast-paced demands of the food industry*

# Robust, Accurate Checkweighers

The Quick Check ZQ375 is the latest innovation in checkweighing from Avery Weigh-Tronix. Featuring food-grade, stainless steel construction, the ZQ375 is a highly efficient solution for the food industry and beyond. From complete visibility of weighing data and statistics to fast, effective, simple checkweighing, the ZQ375 can help you to maximise performance and profitability while meeting the strictest legislative requirements.

## ZQ375 Features

- › Certified by NSF to NSF/ANSI Standard 3-A
- › IP69K washdown stainless steel enclosures
- › 5000d NTEP (3000d OIML) approved
- › Rounded corner design minimises food trap areas
- › Rugged bases with up to 500% overload protection
- › Highly visible IBN display with colour-coded under/target/over bar graph
- › Multi-connectivity; Ethernet, USB, Wireless
- › AC or battery powered
- › Several applications pre-installed
- › PLU storage
- › ID user control



**Avery Weigh-Tronix**



Avery Weigh-Tronix ZQ375

NET 0.004 kg

- UNDER
- TARGET
- OVER
- ID
- F1
- TARE
- SELECT
- ZERO
- PRINT
- UNITS

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## Sanitation and hygiene

When it comes to the food processing industry, hygiene is paramount. Certified by NSF to NSF/ANSI Standard 3-A, the ZQ375 has been specifically designed to meet the needs of this demanding environment:

### IP69K rating

A durable, stainless steel, IP69K rated enclosure ensures that this product is completely resistant to dust and water ingress, making the ZQ375 ideal for use in high pressure and heavy washdown applications.

### Hygienic enclosure

We recognise that good hygiene is vital to business success in the food industry. In line with USDA and other sanitation and hygiene standards, this NSF certified piece of equipment guarantees hygiene safety at all times. The ZQ375 has been designed for ease of cleaning. A smooth pickled and polished surface finish helps to stop microorganisms from growing on the surface of the scale. Curved corners and the easy-to-remove cover make thorough cleaning simple, fast and effective, minimising food trap areas where bacteria could thrive. All threads are hygienically covered with domed nuts to aid and speed up cleaning processes.



*Easy to remove base cover for thorough cleaning*

## IP69K GORE® Vent

In food applications, checkweighers may be subject to rapid temperature change, whether due to operating conditions or washdown procedures. Extremes of temperature inside and outside the enclosure can result in expansion and contraction of gases, which in turn can lead to moisture and humidity becoming trapped inside. To avoid this issue, the Avery Weigh-Tronix IP69K certified checkweighers are fitted with a GORE® Vent membrane, which allows the checkweigher to breathe without compromising the IP69K enclosure. This industrial food grade technology guarantees no down time due to water ingress.





### Two rugged base designs

The ZQ375 checkweigher is available in a range of sizes with two base types. Each base has built-in features designed to suit its capacity.

#### Low capacity: Torsion Base

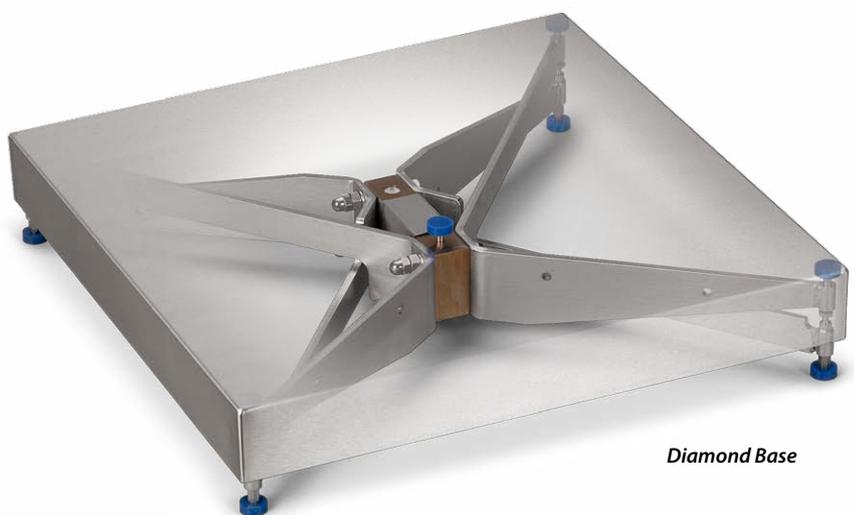
Able to withstand up to 500% shock loading, our breakaway load transfer system helps to guarantee accuracy and reliability at all times. This specialised base automatically transfers shock loads and overloads away from the load cell back to the base frame, ensuring that the scale's accuracy and performance is not affected. Unlike other designs used to reduce shock loading, this food grade stainless steel design offers a clean and uncomplicated solution that is fully NSF Certified and washdown resistant.



*Torsion base features 500% shock loading protection*



*Torsion Base*



*Diamond Base*

#### High capacity: Diamond Base

The IP69K Diamond Series Base has set a standard for high performance. With 150% overload protection, this tough and dependable design is low maintenance, with an extremely reliable single load cell design and no moving parts.

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## Multi-Connectivity

Offering the advantage of the built-in interface, Ethernet 10/100, USB and RS232, the indicator is ideally suited for sharing information, giving you all you need for complete data management and process control.

### Ethernet and USB connectivity

Available with Ethernet and USB connectivity as standard, the ZQ375 can be hard wired in to the indicator or through an optional IP69K USB or Ethernet gland to allow a fast and simple option for disconnecting the cable prior to cleaning.

### Wireless option

For fast, efficient data transfer, ease of cleaning and the ability to remove all unwanted cabling, the ZQ375 offers a wireless option with a 200ft (60m) workable distance between receivers subject to working environments.

### Standard



### Optional



USB with optional waterproof gland

## Ease of Use

### Display visibility

The ZQ375 features a highly visible, low power draw IBN display. This display offers ease of viewing in all lighting conditions, from direct sunlight to low lit areas. Its large, nine segment digits and coloured multi-segmented under/overweight graph give the operator a fast visual indication when the product weight is getting close to the acceptable target tolerance. This visual display can be reinforced by an external audible alarm, resulting in an incredibly user friendly, yet highly accurate piece of equipment.

### Simple operation, powerful capabilities

The ZQ375 can be configured to suit your business process, from fast and simple stand-alone checkweighing, to PLU controlled statistical data collection devices.

### User roles

The ZQ375 features three levels of authorisation, allowing the supervisor to quickly lock down keys and functionality to specific operators or open it up to allow access to other functions of the ZQ375.

The design registration for the ZQ375 series of products is US patent pending.

*Multi-segment graph showing under, target and over weights.*



## Applications

Designed to be efficient and simple to use, the ZQ375 can be set up in a number of different ways:

### Quick Check set up

A fast and efficient way to quickly set up a simple production line at the touch of a single button, using a known target sample weight and pre-programmed under and over limits.

### Entered target limits

Target tolerances can quickly be entered through the indicator front panel or changed by scrolling up or down with a long press on the under and over keys.

### Positive and Negative checkweighing

Designed to work in a number of different ways to help maximise efficiencies within the production line, the ZQ375 has the functionality for both positive and negative checkweighing and displaying in both  $\pm$  the target deviation or just in Gross/Net weight.

### Statistical data packages

The ZQ375 checkweigher offers you complete visibility of weighing data, with a range of statistical data packages built into the scale which can help monitor and control process line efficiencies directly on the line or via feedback to a central PC database.

### Target weight PLU storage

The ZQ375 has the ability for up to 500 PLUs to store individual target weights, upper and lower tolerances, units of measure and other statistical data requirements to help speed up production line set up.

### Custom statistical data transfer

The ZQ375 can also be remotely set up to receive target weights and tolerances for pack line consistency and to help speed up production line set up.

### Standard deviation

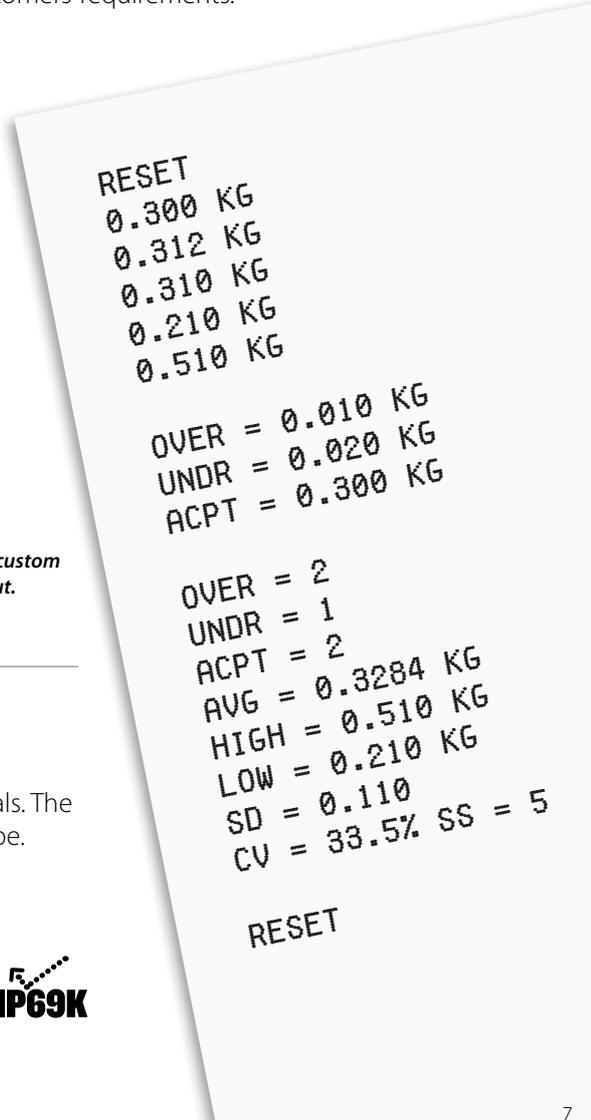
Used to monitor and improve efficiencies or to record a list of data. For example: number of samples that were over, under or fell within the accept band; the average sample weight; the highest and lowest weight recorded and the overall standard deviation of that pack run.

### X/R data collection

Ideal for quality control, the built-in software provides you with a standard X-bar data detailing changes in the mean or average over time, while the R chart shows how the range of the subgroup changes over time.

### Custom statistical data

Outside the fixed statistical data packages provided within the ZQ375, a wide range of individual statistical information can be transmitted separately to meet most customers' requirements.



Example of custom data printout.

## Geographic agency approvals

With Avery Weigh-Tronix, there's no need to worry about official approvals. The ZQ375 has been approved for use in numerous locations across the globe.





## Options



### Wireless Card & Antenna Kit

802.11b/g wireless



### USB Device Card

Provides USB interface to PC.



### Watertight Gland

Ethernet or USB

### Light Stack

Provides extra visibility to operator or supervisor. Mounts neatly inside column with the aid of the external OPTO22 relay box. (AC operation only)



### IP69K External Battery Pack

Mounts neatly inside column. Toggle on/off. Rechargeable. Provides 16 hours operation.

### External Relay Box

Mounts neatly inside column. Holds up to 3 OPTO22 relays.



### More online

[www.averyweigh-tronix.com/zq375](http://www.averyweigh-tronix.com/zq375)

- › Technical specifications
- › User manuals
- › Breaking information

**Avery Weigh-Tronix - UK**  
 Foundry Lane, Smethwick,  
 West Midlands B66 2LP UK  
[info@awtxglobal.com](mailto:info@awtxglobal.com)  
 Phone: +44 (0) 8453 66 77 88  
 Fax: +44 (0) 121 224 8183

**Avery Weigh-Tronix - USA**  
 1000 Armstrong Drive,  
 Fairmont, MN 56031-1439 USA  
[usinfo@awtxglobal.com](mailto:usinfo@awtxglobal.com)  
 Toll-Free: (800) 533-0456  
 Phone: (507) 238-4461

# Avery Weigh-Tronix

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US patent pending. Design registration applied for.