Avery Weigh-Tronix

High speed, high performance postal scale.

ZP
900 SERIES

Protecting the profitability of the post and shipping industry
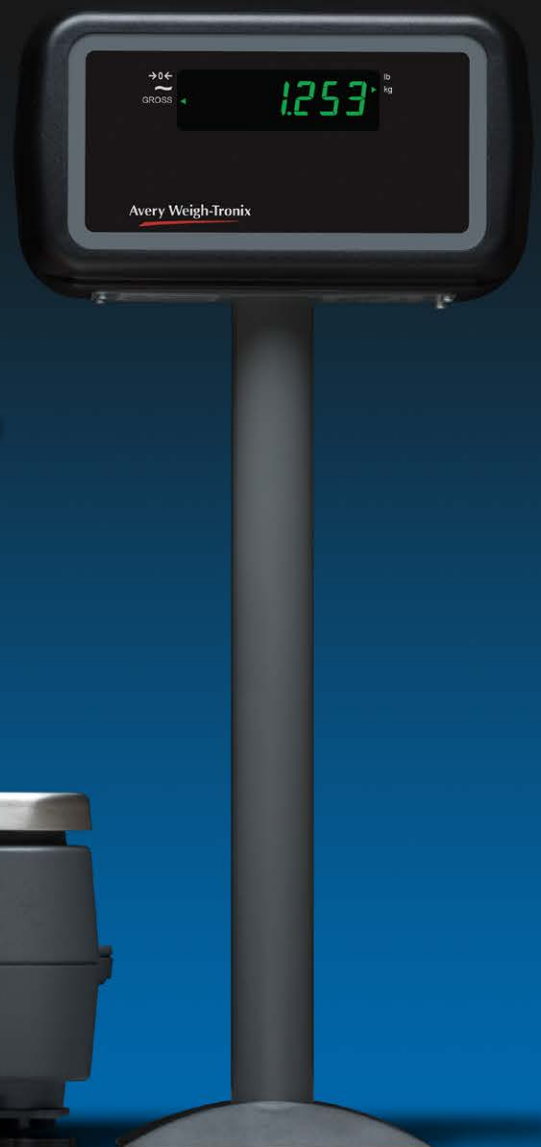
Highly accurate postal scale

Avery Weigh-Tronix

Post, mail and shipping centres rely on efficient and reliable data to ensure peak performance. Our range of scales has been developed in partnership with our customers and designed for use in diverse environments, from retail counters to back office systems.

The ZP900 is a highly accurate postal scale specifically designed to meet a variety of customer requirements. This high speed, high performance postal scale will display and transmit data, integrate with back office and POS systems and give you the flexibility you need to manage vital weight data within your operation.

The high quality Avery Weigh-Tronix Quartzell® design enables the ZP900 to accurately weigh any item, from small letters to 150 lb/80 kg parcels on a single scale. The selection of sizes, capacities and display options make the ZP900 a flexible weighing solution.

Standard components

Large scale base – 12 in x 14 in (305 mm x 355 mm)

Small scale base – 9 in x 12 in (230 mm x 305 mm)

Base-mount operator display

Desk-mount displays – operator and customer

Pole-mount displays – single or double-sided

A flexible solution

Maximise counter space

The ZP900 is available in two main sizes: 9 in x 12 in (230 mm x 305 mm) and 12 in x 14 in (305 mm x 355 mm). With counter space at a premium the ZP900 has been specially designed with a small footprint. The ability to allow one scale to be shared between two or more operator terminals also reduces the need for counter space, while increasing customer throughput.

Display options

The ½ in / 13 mm weight display uses Improved Black Nematic (IBN) technology, which provides a high contrast, high quality green on black display. This technology provides exceptional contrast ratio and a wide viewing angle, making it easy to read in a variety of lighting conditions.

Available with a range of operator and customer display options, from an operator weight display mounted directly on the base of the scale or on a desk, to a customer display mounted on a column for easy visibility, the modular design provides a range of solutions which are easy to service and maintain providing a low total cost of ownership.

Accessories

Ball top
For applications where heavy boxes or parcels are being weighed, the 12 in x 14 in (305 mm x 355 mm) ZP900 can be fitted with a ball-top pan, reducing lifting and increasing through-put.
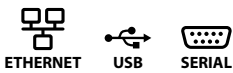
Battery
As well as being available with a range of global power options, from 110 to 240VAC, the ZP900 also has the option of a rechargeable battery that will give up to 16 hours of continuous use between charges.

Carrying handles
The optional carrying handles make the ZP900 an ideal portable solution if it frequently needs to be moved to different locations.

Connectivity

ETHERNET **USB** **SERIAL**

The ZP900 can communicate using a wide range of channel options such as RS232, USB or Ethernet. Ethernet connectivity is standard, enabling simple integration with software and providing a wealth of future-proofed opportunities for the customer. It can also be used as a local or remote diagnostic port.

As well as being future-proofed, the ZP900 ensures backward compatibility with a range of standard postal protocols, such as NCI1 & NCI2, D904 and SMA as well as older scale models such as the FX141, NCI 7600 and NCI 7800.

The ZP900 has been designed specifically for ease of integration into existing third party software systems and will connect to a wide range of systems used around the world.
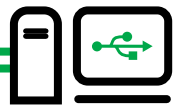
STANDARD CONNECTIVITY

RS-232 (link to x2 PCs)

OPTIONAL CONNECTIVITY

USB HID (link to x2 PCs)

ZP900

STANDARD PROTOCOLS

NCI

D904

Ethernet

Third party integration

The ZP900 can also be installed flush fit into the counter or integrated into a kiosk or static dimensioning solution. By installing the weighing platter flush with the counter and suspending the weighing mechanism underneath, boxes and parcels can be moved on and off the scale with minimum effort.

With Serial, USB and Ethernet connectivity, the ZP900 has been designed for compatibility with all third party software and OPOS systems, providing a platform for new technology developments in the postal and shipping industry.

Strength and durability

The Quartzell® weighing technology is housed and protected within a robust yet compact die-cast casing, which provides outstanding protection against knocks and overloads. When combined with the 500% breakaway overload protection, this offers a rugged solution for use in busy environments such as shipping areas. With extensive experience of designing solutions for the postal and shipping industry, Avery Weigh-Tronix has further improved the technology in this range.

The ZP900 can be locked down to a counter and is fitted with an anti-vandalism, stainless steel top platter that cannot be removed without special tools. These features offer additional security for the scale when used in public-facing solutions, such as on a counter or self-service kiosk.
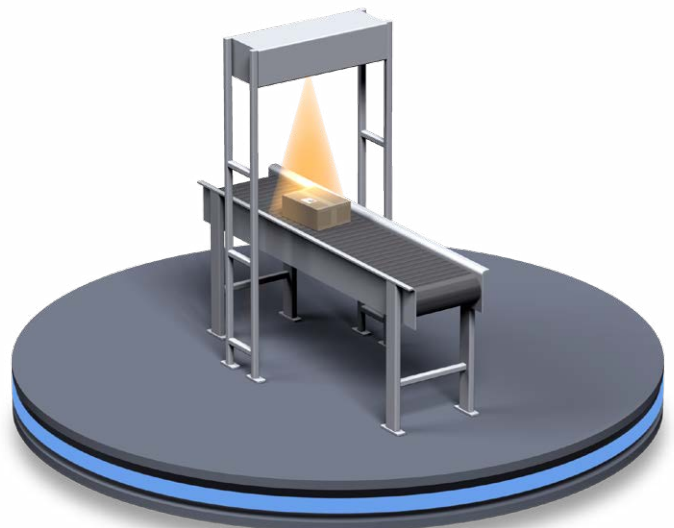
Accuracy, speed and reliability

Available in several multi-range capacities from 10 lb/6 kg up to 150 lb/80 kg, the ZP900 uses the latest digital Quartzell weight transducer technology from Avery Weigh-Tronix, to ensure a fast return to zero between readings. This offers users the speed and repetitive accuracy that can be vital in situations where there is a large through-put of packets.

Service counter

Self-service kiosk

Parcel dimensioning

Quartzell™

Quartzell® Speed and Accuracy

Unlike a strain gauge load cell which produces an analog signal that has to be converted to digital, the Quartzell transducer uses two, highly-accurate double-ended tuning-fork quartz crystal sensors. The resulting digital frequency greatly reduces weight conversion errors while increasing speed and accuracy.

Speed
The digital signal allows a scale to weigh faster and with greater resolution. All mail and parcels can be weighed on a single scale, improving throughput and processing saves both time and money.
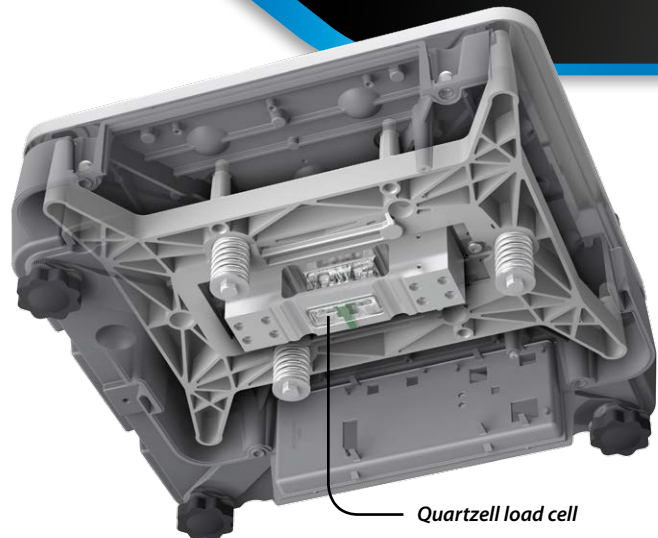
Revenue protection
Quartzell technology answers the need for higher accuracy and revenue protection in domestic and international postal applications.

Digital accuracy
Because each cell uses two quartz crystals, the Quartzell transducer eliminates external influences such as temperature and pressure. When weight is applied, the signal is not affected by environmental interferences, resulting in a more accurate weight reading.

Durability
The rugged, long-lasting Quartzell transducer is manufactured using standard production techniques and equipment, resulting in a product that will stand the test of time.
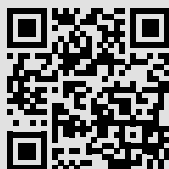
Quartzell load cell

Adjustable Gravity Constant Value
Gravity varies around the globe. The factory pre-set gravity constant value can be adjusted to account for the geographical location, maintaining consistent calibration and weighing with complete accuracy.

Proven and tested
Since first introducing Quartzell to the market in 1995, Avery Weigh-Tronix has continued to enhance and develop the technology to offer the highest accuracy, speed and reliability. Quartzell has proven itself in thousands of installations worldwide.

The Quartzell transducer provides consistent, repeatable output. This ability increases speed, saves time, provides greater accuracy and minimizes user error.

NCI™ Technology

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Avery Weigh-Tronix is an ITW company