Weighing Solutions for Agriculture

Weighing solutions to drive profitability.
Weighing systems designed with agriculture’s unique requirements in mind

Every day, agricultural producers harvest benefits from our legendary, reliable scale performance. Whether the application is indoors or outdoors, stationary or mobile, our products have stood the test of time on thousands of farms worldwide and are ready to handle any agricultural environment.

Our years of agricultural experience and wide range of indicators, remote displays, software and accessories, make Avery Weigh-Tronix the obvious choice for superior weighing performance in your operation.

Worldwide Leader and Technology Innovator

Born on the farm and growing with you, with over 250 years of history, Avery Weigh-Tronix designs, manufactures, markets and services a broad range of high quality weighing products and systems which can be found in virtually every industrial environment worldwide.

Avery Weigh-Tronix is a technology developer and manufacturer of weighing products and systems for customers with demanding and changing needs. We entered the marketplace in time to help guide the weighing industry from mechanical to electronic technology with the introduction of the Weigh Bar® weight sensor.

Quality Products and Services
Continuous process improvement has powered the growth of Avery Weigh-Tronix and influences every detail of the way we do business. Our entire workforce helps create effective solutions to meet the challenges in manufacturing, scheduling, cost containment and delivery. This allows us to provide cost effective and reliable weighing solutions for your farm.

Avery Weigh-Tronix is ISO 9001 certified – a recognized stamp of quality requiring disciplined attention to detail, careful documentation of processes and continuous checks against variation in product or procedure.

Customer Commitment
Avery Weigh-Tronix is committed to customer satisfaction. We understand downtime is not an option for Ag producers, which is exactly why we’re here to help 24 hours a day 7 days a week.
Weigh Bar® Weight Sensor

Our industry leading technology, the Avery Weigh-Tronix Weigh Bar, was born on the farm and is specifically designed to withstand the tough conditions of the farm environment. Environmental seals and coatings protect against rain, snow, dust and mud. Weigh Bars are engineered using finite element analysis and constructed to handle the toughest jobs. All these features add up to years of precise, trouble-free operation.

**WEIGH BAR MODELS**

- Axle
- Hitch
- Bin/Truck Platform
- Square Universal
- Round Universal

**FEATURES**

- **Durable alloy steel construction**
  Handles extensive use for years of trouble-free service.

- **Sealed strain gauges**
  Aerospace-developed sealing agent and industrial grade potting compound protect against the harsh agricultural environment.

- **Steel potting shield**
  Protects against impacts better than plastic shields.

- **Polyurethane sheathed cables**
  Maximum protection from moisture, lightning and physical damage.

- **Optional temperature compensation**
  (For applications requiring accuracy with large temperature variations.)

- **3 year warranty**

- **Pre-calibrated**

**Weigh Bar History**

In the 1960s, New Jersey engineer Dick Bradley invented the Weigh Bar, an all-electronic strain gauge weight sensor designed to deliver precise, repeatable readings, with a weatherproof and shockproof design which allowed it to withstand environmental challenges. Our Weigh Bars provided the durable accurate solution producers needed to operate their grinder/mixers more efficiently.

In 1971 Weigh-Tronix (now Avery Weigh-Tronix) began selling the scale system itself directly to farm equipment manufacturers. Since then, the company has stayed true to its roots, working closely with partners in the agricultural industry and drawing on research and development from around the globe to ensure that we consistently meet our customers’ needs with reliable yet cost effective solutions.
Avery Weigh-Tronix provides quality weight-based solutions to demanding agricultural applications, including TMR mixers, grain carts, livestock, bin and hopper scales, truck scales, weigh wagons, grinder/mixers, cotton buggies, catfish feeding and logging.

**Three-point Axle Scale System**
Three-point scale kits turn an existing feed mixer, grain or livestock cart into a powerful portable scale, saving you time and money. A standard two wheel axle scale system consists of one hitch Weigh Bar and two axle Weigh Bars which match many popular hub sizes. Indicators feature a mounting bracket that attaches to any surface, making them ideal to install on equipment or inside a tractor cab for easy viewing.

**Multiple Weigh Bar Scale System**
With a capacity of up to 160,000 lbs, the multiple Weigh Bar scale system is ideal for use with seed tenders, grain carts, TMR mixers, manure spreaders, fertilizer applicators, tanks, or other bodies mounted on a trailer chassis or truck frame. Our solutions create many efficiencies for your operation including reducing your loading and transfer times and helping you to configure application rates quickly.

**Truck Scales**
An on-farm truck scale can save you money, allowing verification of incoming delivery weights and weight of outgoing loads so you do not need to worry about getting a ticket for an overloaded truck. Link with inventory or ration management software to create a complete inventory management system.
Livestock and Platform Scales
Available in a variety of sizes for a range of applications, Avery Weigh-Tronix livestock scales can be large enough for a group of animals or built to weigh a single animal. We provide components with the application flexibility to build the weighing solution that best fits your operation.

› **Chute Weigh** - Ideally suited for conversion of a manual or hydraulic livestock squeeze chute into a working livestock scale. Simple and easy to install, with a large weight capacity and weatherproof construction, the chute weigh can be installed within minutes.

› **Platform Scales** - Available in a range of capacities to suit different applications, platform scales provide an ideal solution for weighing carts of feed, wagons or single axles.

› **Alley Weigh** - Fits easily into alleyways and incorporates a non-slip surface ideal for weighing livestock, while its low profile makes it easy to weigh feed carts and bulk containers. Specially designed to work efficiently on uneven floors, the Alley Weigh uses the proven Weigh Bar® system to ensure accurate weighing at all times.

**Compression Load Cells**
The CC-30/50 compression load cell is a popular solution for today’s higher capacity weighing applications. With 30k or 50k lb capacity and 99.9% accuracy, the CC-30/50 are highly accurate and dependable, making them ideal for large capacity truck-mounted TMR mixers or other large capacity truck mounted applications.

**Bin and Hopper Scales**
By installing Avery Weigh-Tronix Weigh Bars® under the legs of your feed bins, tanks or hoppers, you can weigh dry and liquid materials in your existing containers. This easy-to-install system eliminates the need to haul loads from storage to scale, saving you time and money.

Interface batching systems to computers for a total data management system, giving you complete visibility of how much feed is being consumed at regular intervals. Interface with a truck platform scale to weigh deliveries and create a complete inventory management system.
Powerful indicators for data collection and analysis

Indicators and remote displays are integral to the operation of a Weigh Bar®-based scale system. The Weigh Bars/compression cells are the heart of the system, while the indicators provide the brains. Avery Weigh-Tronix scale indicators are designed specifically to withstand the rugged farm environment. Our models feature a rugged polycarbonate or high grade powder coated cast aluminum enclosures to seal out dust and moisture, preventing costly downtime. The electronics are designed and manufactured using the latest technologies to meet the demanding needs of mobile, on-farm applications and rigorous FCC and CE standards. Components are well protected from surges and automatically shut down if power falls or rises beyond desired levels. Advanced filtering provides a stable reading despite vibrations or movement on the scale.

**i60 Serial Processor**

The i60 serial processor converts the analog signal from your weigh bar j-box to a digital signal that is sent via Bluetooth to a smart device. This system eliminates cable clutter and allows the use of the smart device in place of a traditional scale indicator. In addition the i60 transfers the weigh data via Bluetooth to unlimited number of smart devices turning your phone/tablet into a remote display.

**3060**

The Model 3060 Indicator's color display provides clear view of weights and process information, while the touch screen makes editing field, animal or feeding data very intuitive. The M3060 adapts from one season to the next. Easily switch between applications - install one M3060 for many needs.

- NTEP Certified.
- Bright 7" Color display is easy to see in all conditions, from dense fog to bright sunlight.
- Durable high grade powder coated cast aluminum case with polycarbonate back case.
- Simple to use one-button function ensures quick, efficient and simple transactions.
- With integrated software and the ability to load leading software providers’ programs direct to the 3060, there is no need for a separate ruggedized laptop. As new software is developed it is very easy to update the 3060 to meet your operation’s changing needs.
Advanced Indicators

1040 and 2040 Series
The Models 1040 and 2040 are full-featured indicators that simplify batching and help manage feed costs.

› Internal memory stores 100 records of the following: ingredients, recipes, pens, and the last 100 batches.
› Batching mode that automatically adjusts rations after the first ingredient is loaded.
› HOLD key provides stable readings when moving between loading/unloading locations.
› XL Models feature large 2” display and standard models feature 1.1” display.

1040/XL
A programmable batching indicator ideal for dairy and feedlot operations. It offers an intermediate level of features for a complete TMR management program.

2040/XL
A high end TMR batching indicator that has all the 1040 series features plus the following capabilities:
› Interfaces with Feed Supervisor, a high end dairy ration management software.
› Ability to record and monitor “Cleanup”.
› Feeding Flexibility allowing operator to change head counts, number of feedings per day, and target amounts at the indicator.

915
Model 915 is ideal for split axle weighing and provides automatic cumulative weighing. The 915A features software designed for livestock weighing. Up to 1000 readings can be stored and tracked by up to 8 digit individual VID or group numbers.

General Purpose Indicators

640 series
Looking for simple, accurate and cost effective indicators for your operation? The 640 series is a time proven, reliable general purpose indicator to meet your operation's weighing needs.

› Selectable levels of motion filtering for mixer or livestock applications to settle the weight display readings.
› HOLD key provides stable readings when moving between loading/unloading locations.

640
The entry-level 640 is well suited for collecting weighments when used on TMR mixers, grain carts, livestock scales, bins or general weighing.

640XL
The large 2 inch display on 640XL is ideal for easy viewing of weights from a distance, which is perfect for TMR mixers, platform scales and grain cart applications.

640M
The compact size of the 640M makes it ideal for grain carts or TMR mixer applications where the indicator is installed in truck or tractor cabs.
Remote Displays

2” Display
The RD40XL remote display has an optional wireless remote control feature and large 2 inch display, making it ideal for mounting in the cab of a loader when paired with a 640 series indicator.

Compact/Mirror Mount
The RD40 and RD64M compact remote displays are perfect for mirror mount or in the cab of truck mounted TMR mixers, giving the feeder additional assistance during the unloading process when teamed with an indicator.

Wireless
Wireless and compact, the RD40RF is ideal for in-cab use, allowing the operator to view and control loading in a TMR mixer or fertilizer applicator from the loader cab.

XLR-6
The XLR-6 remote display features bright red LEDs to clearly show scale data in any lighting condition and at extreme viewing angles. High brightness, high resolution LEDs and a large 2 in alphanumeric matrix display (4.5 in overall, including bar graph), provide clear viewing of weight readings and messages.

XLR-8/XLR-12
These large remote displays feature a 3.5” alphanumeric matrix display powered by high resolution bright red LEDs to clearly show scale data in any lighting condition, from dense fog to bright sunlight. They also feature a rugged steel enclosure designed specifically for agricultural applications. The XLR remotes feature a full width bar graph that provides an easy visual reference during loading and unloading. The XLR-8 features 8 characters and the XLR-12 features 12 characters.

Accessories

CP130 Printer
The compact CP130 thermal printer operates on 9-36 Volt D/C or optional global AC power supply. Specifically designed for small footprint applications (measures 5.25” L x 3.75” W), this printer is ideal for use in-cab. A durable ABS plastic enclosure ensures long printer life in the tough agricultural environment.