

# Avery Weigh-Tronix

SIMPLY ACCURATE



APPLICATION MANAGEMENT

GRAIN CART

PLANTING & SEED TENDER

ANIMAL WEIGHING

INVENTORY CONTROL

**RATION MANAGEMENT**

## Livestock Ration Management



Weighing solutions to drive profitability.



**Avery Weigh-Tronix**

**SIMPLY ACCURATE**

# Increase Profitability with Effective Ration Management

Avery Weigh-Tronix provides weight-based solutions to demanding agricultural applications. Our ration management weighing systems combine time-tested, accurate weigh cells with robust, user-friendly management software to improve profitability.

## Ration Management Key Benefits

Effective ration management has a direct impact on your bottom line. Achieve operational efficiency by reducing feed waste, verifying feeding accuracy, tracking cost per head per day and, most importantly, creating the proper ration mix your nutritionist recommends. Correct rations maximize milk production in dairy cattle and increase rate of gain in feeder cattle while improving herd health and ensuring more effective inventory management.

A ration management solution from Avery Weigh-Tronix provides the platform you need to customize rations and make better management decisions based on accurate, timely information.

### Dry Matter Intake (DMI)

No matter what type of livestock you have, the formulation of your feed rations relies on DMI. Having a solution that allows you to easily track and adjust dry matter of individual ingredients

is key to maximizing gains and profitability. With volatile commodity prices, achieving the target dry matter intake versus over or under feeding DMI has a direct impact on profitability.

### Inventory Control

*Reduce Cleanup:* To maintain a cost-effective business, it is vital to limit waste while maintaining maximum production. Our solutions track and provide the information necessary to feed the correct batch amount while allowing you to easily adjust daily DMI percentage based on consumption of the previous feeding.

*Reduce Operator Error:* Monitoring operator performance and consistency helps eliminate feeding errors to maximize herd health and increase savings.

*Manage Inventory:* Gain complete visibility of available commodities, monitor usage and place accurate, timely orders by integrating ration management software with an Avery Weigh-Tronix truck scale which allows you to track all commodities entering and leaving your operation.



### Increased Productivity

*Manage Costs:* In order to optimize profitability, it is important to clearly understand revenue versus true feed costs. Our feed management systems can analyze actual feed costs per head, group or pen within a specific time frame. This provides real-time data needed to maintain profit margins, even in times of volatile input costs.

*Increase Yield:* Nutrition is key to maintaining maximum

milk production or rate of gain. Ration management solutions from Avery Weigh-Tronix provide increased visibility and control over your herd's DMI and, ultimately, your profitability.

*Improve Time Management:* Batch loads more efficiently and mix rations for multiple pens based on mixer capacity. Rations can be stored in the indicator, eliminating the need for feed sheets, maximizing efficiency and minimizing operator error.

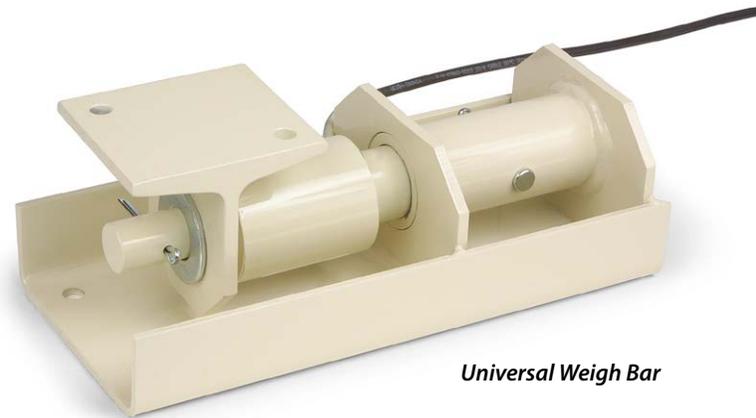
## Weigh Bars & Load Cells

### Weigh Bars

The Avery Weigh-Tronix Weigh Bar was born on the farm and is specifically designed to withstand the tough conditions of this environment. Add industry-leading scale technology to virtually any mixer with little or no modification using reliable axle, hitch or universal Weigh Bars.

### Compression Load Cells

With capacities of 30,000 or 50,000 pounds, the CC-30/50 compression cells are ideal for large capacity truck-mounted TMR mixers.



*Universal Weigh Bar*



# Indicators

A successful ration management solution begins with a high quality, accurate scale indicator. From the advanced 3060 touchscreen indicator with Feed Foreman to the Model 640 with TDS-40, Avery Weigh-Tronix provides a flexible ration management solution that best meets your requirements. In addition to our own solutions, our range

of indicators interfaces with leading beef and dairy feed management software packages providing you with a flexible ration management solution that pays for itself quickly through cost savings, increased productivity and improved efficiency.

## Model 3060 Touchscreen Indicator

The rugged, state-of-the-art Model 3060 touchscreen indicator is designed to be easy to operate and withstand the rigors of everyday agricultural use.

### Intuitive touchscreen operation

- › Bright, seven inch screen is easy to read in any light condition
- › Simplified data transfer via USB or optional wireless module
- › Build customized software with Windows® CE
- › Combine with Feed Foreman or FeedWatch for a powerful ration management solution



## Feed Foreman

Feed Foreman is a powerful ration management solution designed for feeding efficiency and increased profitability. This package consists of two components; Feed Foreman for the Model 3060 touchscreen and Feed Foreman PC software.

### Model 3060 with Feed Foreman Features

With the intuitive touchscreen operation, Feed Foreman is easy to learn and operate. Choose from four easily customized batching options for efficient feeding.

- › By pen – calculates load size automatically based on target DMI, head count and feedings per day
- › Recipe by load size – calculates amount of each ingredient based on ingredient dry matter and target DMI
- › Premix by load size – determines amount of premix based on ingredient dry matter and target DMI
- › Autosize – adjusts ration proportionally based on amount of first ingredient loaded

### Feed Foreman PC Features

- › Easily adjust pen feedings per day, head count or DMI
- › Change DMI by entering a new target DMI or adjusting DMI percentage
- › Input recipes by dry matter intake fed per head per day or As Fed per head per day
- › Customize mixer timer settings to ensure properly mixed batches
- › Pre-loaded with most commonly used ingredients including baseline chemistry references



### Powerful Reports

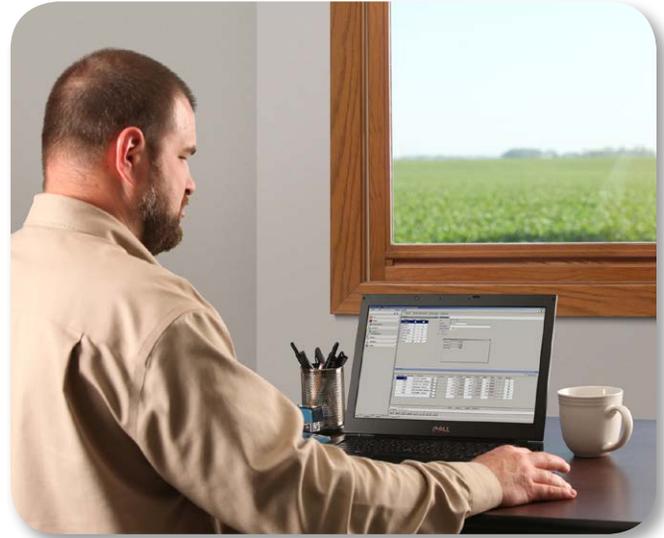
The Model 3060 with Feed Foreman generates detailed reports quickly and easily.

- > Customize date parameters
- > Compare expected AF to actual AF
- > Show cost per head per day by pen
- > Calculate cost per head per pen or total herd cost for custom time frame
- > Outline daily DMI per head/pen for the whole herd or average DMI for custom time frame

### Model 3060 with FeedWatch

FeedWatch by Valley Ag Software was designed to be comprehensive feed management software for the model 3060 touchscreen indicator with the flexibility to meet your needs while maintaining complete analytical ability.

- > Accurately records all transactions wirelessly in real-time



- > Communicates directly with your parlor program
- > Integrates seamlessly with DairyComp 305

## Model 2040 & 2040XL Indicators

The Model 2040 indicator series is designed to withstand the rigors of today's dairies. The Model 2040 has a 1.1 inch display and the 2040XL has a 2.0 inch display. Both are easily viewable from the cab of the loader.

### Model 2040 with Feed Supervisor

Combine the 2040 or 2040XL with Feed Supervisor® Software from KS Dairy Consulting, Inc. to create a powerful batching system designed for today's modern dairy operation. Customize daily feedings and monitor operator performance, analyze dry matter intakes, feed efficiency ratios and critical information such as cost per cow and income over feed cost. Add a TDM module or wireless RF communication between the 2040XL and a PC with Feed Supervisor Software for maximum efficiency.

- > Ensure proper ration balance
- > Store data until ready to download to the computer
- > Change head count, target amounts, feeding sequence and mix timers directly from the indicator
- > Track cleanup versus dry matter intake and milk production



## Model 1040 & 1040XL Indicators

Simplify batching and manage feed costs with the full-featured Models 1040 and 1040XL weight indicators. Use the alphanumeric keypad to assign names or numbers to ingredients or pens directly from the indicator.

### 1040 Indicator with TDS-1040

Transfer Data Software (TDS- 1040) combined with the full-featured Model 1040 or 1040XL indicator provides an economical feed management system for TMR mixers. Enter ingredients, recipes, and pens from the PC and transfer to the indicator or use the alphanumeric keypad and enter directly at the indicator. All batching and feeding information is easily transferable between the two.

- › Eliminate feed sheets
- › Simplify batching
- › Assist in managing feed costs
- › View usage history of individual ingredients
- › Easily review what was last fed to a pen from the indicator



## Model 640 & 640XL Indicators

The Model 640 and 640XL indicators are reliable, user-friendly, general purpose indicators which provide accurate weighing solutions for numerous farm applications. Our time-tested design of a rugged, polycarbonate enclosure, sealed to keep out dust and moisture, will provide years of trouble-free service. The 640 features a 1.1 inch display while the 640XL features a 2 inch display.

### 640 Indicator with TDS-40

With 100 six-character, alphanumeric accumulator channels, the TDS-40 can record livestock groups, amounts of recipes batched or fed and easily transfer this information to your PC.

- › Simple operation with easy-to-understand keys
- › Stable weight display even when in motion
- › Convenient data sharing between PC and indicator





# Accessories

Further simplify ration management with accessories including remote displays, in-cab printers and data transfer solutions.

## Remote Displays

Clearly view weight and mixer data from inside the loader.

- › **XLR Remote Displays** - The large XLR remote displays feature a 3.5 inch alphanumeric (8 or 12 character) matrix display powered by high resolution bright red LEDs to clearly show scale data in any lighting condition and a rugged steel enclosure designed specifically for agricultural applications. A full width bar graph provides an easy visual reference during loading and unloading. The included remote transmitter advances ingredient selection from the loader. Pair the XLR-8 with the 1040 or 2040 or the XLR-12 with the 3060 for unparalleled viewing ease for the loader operator.
- › **2 Inch Remote Displays** - The RD64XL and RD40XL remote displays add wireless ingredient advance making them ideal for mounting in the cab of a loader. Use the RD64XL with the 2040 or 1040 series indicators and the RD40XL with indicators from the 640 series.
- › **Compact/Mirror Mount** - Mount an RD64M on the mirror or in the cab of truck mounted TMR mixers equipped with a 2040 or 1040 indicator for additional feeder assistance during loading and unloading. Choose the RD40 remote display for systems equipped with a model 640 or 640XL.
- › **Wireless Remote Displays** - Wireless and compact, the RD40RF is ideal for in-cab use, allowing the operator to view and control loading in a TMR from the loader cab.



## CP130 Printer

The CP130 thermal printer operates on 9-36 Volt DC and is designed to withstand the rigors of the agricultural environment. Specifically developed for small footprint applications, this printer is ideal for printing 1040 batching records.

## Data Transfer

- › **Wireless** – Choose from a variety of wireless options including Bluetooth to transfer data to a PC or remote display.
- › **TDS-40** – a low-cost solution to transfer data collected from any scale indicator with an RS-232 serial port to a PC. The data can then be downloaded into .doc or .csv format.
- › **TDS-1040** – provides the same features as the TDM-40 plus bi-directional capability of programming the recipes, ingredients, pens, etc. from your PC.





# Born on the Farm – Our History

Avery Weigh-Tronix was born on the farm, which is why we're confident that we have the best solution to meet your needs. 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. Its electronic design meant the Weigh Bar needed only minimal maintenance and provided a long, usable life, allowing users to save significant expense both in the initial investment and in overall upkeep. Our Weigh Bars provided the durable, accurate solution producers needed to more efficiently operate their grinder/mixers. In 1971, Weigh-Tronix (now Avery Weigh-Tronix) began selling the scale system itself directly to farm equipment manufacturers.

In the 1970s and 1980s, virtually every grinder mixer in the United States had a Weigh-Tronix scale. Just as the Weigh Bar revolutionized grinding rations for farmers, Avery Weigh-Tronix is providing comprehensive cost-effective ration management solutions to meet the needs for your operation.



## 24 hours a day 7 days a week Customer Support

Avery Weigh-Tronix is dedicated to customer service. 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.

**Call: 800-533-0456**



### **EVERY WEIGH-TRONIX - USA**

1000 Armstrong Drive,  
Fairmont, MN 56031-1439 USA

**Toll-Free:** (800) 533-0456

**Phone:** (507) 238-4461

**Email:** [ag@awtxglobal.com](mailto:ag@awtxglobal.com)

[www.ag scales.com](http://www.ag scales.com)

### **EVERY WEIGH-TRONIX - UK**

Foundry Lane, Smethwick,  
West Midlands B66 2LP UK

**Phone:** +44 (0) 845 307 0321

**Fax:** +44 (0) 121 224 8183

**Email:** [info@awtxglobal.com](mailto:info@awtxglobal.com)

[www.ag scales.com](http://www.ag scales.com)

# Avery Weigh-Tronix

**SIMPLY ACCURATE**



© Avery Weigh-Tronix group of companies 2011. All rights reserved. Avery Weigh-Tronix is a registered trademark of the Avery Weigh-Tronix group of companies. This publication is issued to provide outline information only which, unless agreed by an Avery Weigh-Tronix group company in writing, may not be regarded as a representation relating to the products or services concerned. This publication was correct at the time of going to print however, Avery Weigh-Tronix reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service at any time.

Weigh Bar® is a registered trademark of Avery Weigh-Tronix, LLC.