Avery Weigh-Tronix Floor Scales

Cargo Scales

Versatile scales originally designed for the air cargo industry which lend themsleves to a wide range of other applications.

Avery Weigh-Tronix

Constructed to withstand the rigors of constant use.
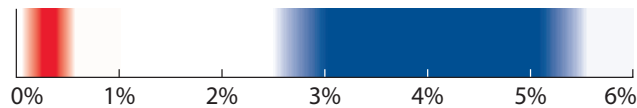*Designed for accuracy with Weigh Bar® sensor technology.*

Cargo scales with proven reliability and outstanding accuracy

WEIGH BAR – *PROVEN SENSOR RELIABILITY*

At the heart of any Avery Weigh-Tronix Cargo Scale is the Weigh Bar, the weight sensor synonymous with accuracy and durability in the scale industry.

Annual Load Cell Failure Rate
Percentage of total installed population

🟥 Weigh Bar
🟦 Other Models

0%   1%   2%   3%   4%   5%   6%

In a 30-month study of weight sensor failures, the Weigh Bar was proven to be 15 to 25 times more reliable than competitive load cells: The industry-wide sensor failure rate was 3% to 5% per year, while the Weigh Bar failure rate was less than 0.5% per year.

Competition Shattering Performance
Quality design and construction: A bonded urethane foam sheath protects against dust and moisture. A sleeve and potting material seal and protect the steel bar, strain gauges and linking wire harness. The Weigh Bar itself is constructed of aircraft-quality steel for maximum strength.

Outstanding Accuracy
The quality construction that makes the Weigh Bar so reliable also helps make it highly accurate. The Weigh Bar's design cancels out side, end and torsion loads, measuring only the downward load on the scale.

PANCAKE SCALE

A 20,000 lb. multi-purpose scale designed for quick and accurate weighing indoors and out. The pancake scale's main advantage is portability and quick set-up; there is no need for a custom scale pit. Gently sloping ramps allow easy access to the 4" high scale by lift truck or hand cart.

Outdoor Operation
The scale is designed for either indoor or outdoor use: The textured steel plating provides extra traction in wet areas. An epoxy coating resists corrosion. The stainless steel junction box can be positioned 30' from the scale, keeping sensitive electronics away from the elements.

Low Maintenance, High Reliability
The scale incorporates 4 highly accurate 5000 lb. Weigh Bar sensors for a total capacity of 20,000 lbs..

Model DSL120120-20P

DUAL ROLLER SCALE

The Dual Roller Scale fits standard single or double-wide aircraft cargo containers. Each roller platform has a capacity of 10,000 lbs., for a scale total of 20,000 lbs.. Eight 2500 lb. Weigh Bars (4 per platform) perform weighing duties with proven reliability. With the proper indicator, individual platform weights or the sum of both platforms can be read.

Heavy-duty Rollers
Each 4" diameter roller has a capacity rating of 650 lbs.. Containers are easily rolled on and off the scale from runout belts or other conveyors.

Safe, Accurate Load Positioning
Side rails and swing-up steel stops fit standard containers perfectly, assisting load placement. A 27" wide nonskid walkway surface between the rollers helps prevent falls.

Overload Protection
Weigh Bars are equipped with heavy-duty stops to protect against overloading or dropped containers.

SWIVEL CASTER SCALE

A heavy-duty scale specifically designed to make the weighing of large cargo containers fast and accurate. Allows loading and unloading in any direction, with steel tip-up stops in key locations. Initially designed for the airline industry, the swivel caster scale lends itself to a wide variety of commercial and manufacturing applications.

Rugged Construction
Construction of welded steel channels with a heavy duty treadplate deck. The entire scale mounts on a steel understructure. The scale capacity is 20,000 lbs.

Heavy-Duty 360° Swiveling Casters
The scale's 104 casters were specifically designed for the airline industry. Each features a heavy cast steel yoke with a reinforced thermoset plastic wheel. Both the wheels and yoke are supported on ball bearings for smooth operation. Each wheel has a grease fitting and dust shield. Casters are fastened to the scale with four bolts for easy replacement.

CUSTOM INSTALLATION

Avery Weigh-Tronix engineers can design a customized installation and make modifications to our Cargo Scales to meet your exact needs.

Avery Weigh-Tronix has designed scale installations for major shipping carriers at airports throughout the world. No installation is too large or complex.

A wide range of products are available from Avery Weigh-Tronix to create an integrated and comprehensive weighing solution: indicators, software, truck scales and more.

SPECIFICATIONS

Common Specifications

Capacity: 20,000 lbs.

Junction Box: Stainless steel with approximately 25 ft. of interface cable to connect junction box to indicator.

Weigh Bar Output: 2 mV/v

Finish:
2-3 mil layer of epoxy primer
2-3 mil layer of alkyd enamel

Overload Protection: 200%

End Loading: 100% of capacity

Temperature: 14° to 104° F (-10° to 40° C)

Resolution: 10,000 divisions in non-legal application

Pancake Scale

Model DSL120120-20P

Dimensions: 10' L x 10' W x 4" H

Weight Sensors: Four 5,000 lb. Weigh Bars®

Construction: One piece integral platform with $\frac{5}{16}$" top plate; textured carbon steel tread plate.

Accuracy: NTEP Class III, 5,000 divisions

Agencies: NTEP CC#90-132
Measurement Canada AM-5899

Options: Smooth Top

Dual Roller Scale

Dimensions Dual Unit:
100" L x 132" W x 20" H (±2")

Weight Sensors: Eight 2500 lb. Weigh Bars

Construction: Scale platform is constructed from welded, high strength structural steel components with nonskid walkways. Undercarriage allows height adjustment from 18" to 22".

Accuracy: 0.1% of applied load

Swivel Caster Scale

Dimensions: 131" L x 107" W x 21" H (± 2")

Weight Sensors: Four 5,000 lb. Weigh Bars

Construction: Scale platform is constructed from welded, high strength structural steel components. Undercarriage allows height adjustment from 19" to 23".

Accuracy: 0.1% of Applied Load

QTLTSC FORKLIFT SCALE FOR ITA CLASS III/IV CARRIAGES

The Avery Weigh-Tronix QTLTSC Forklift Scale System includes a durable, front-mounted scale carriage with accurate Weigh Bar® electronic weight sensors and a choice of two in-cab instruments. The system allows operators to easily and quickly capture legal-for-trade weight data en route, without extra steps.

The Weigh Bars electronically measure the load on the forks and convey this information to an embedded summing box. Compiled weight information is then passed on to the in-cab instrument via a cable.

Instrumentation

Forklift Scales use a choice of two indicators, the basic FLI 225 or the FLI 425 with touchscreen interface. Adding a Wi-Fi transmitter option to the forklift scale instrument improves efficiency. Real-time communication removes the step of manually downloading data via a wired connection.

The FLI 225 Instrument's Fast View LCD display provides ¾" high weight digits for great readability. It is crisp in bright conditions and backlit for dim areas.

The FLI 425 Instrument designed exclusively for the forklift scale is a powerful component of an en route weighing system. The 7" Touchscreen color LCD display is capable of displaying multiple data fields simultaneously. Also displays operator "pop-ups", on-demand diagnostics, alpha-numeric entry, stored records and metrological details.
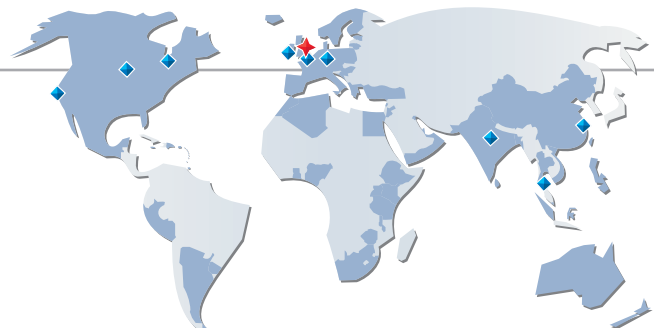

FLI 425

FLI 225

Avery Weigh-Tronix

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