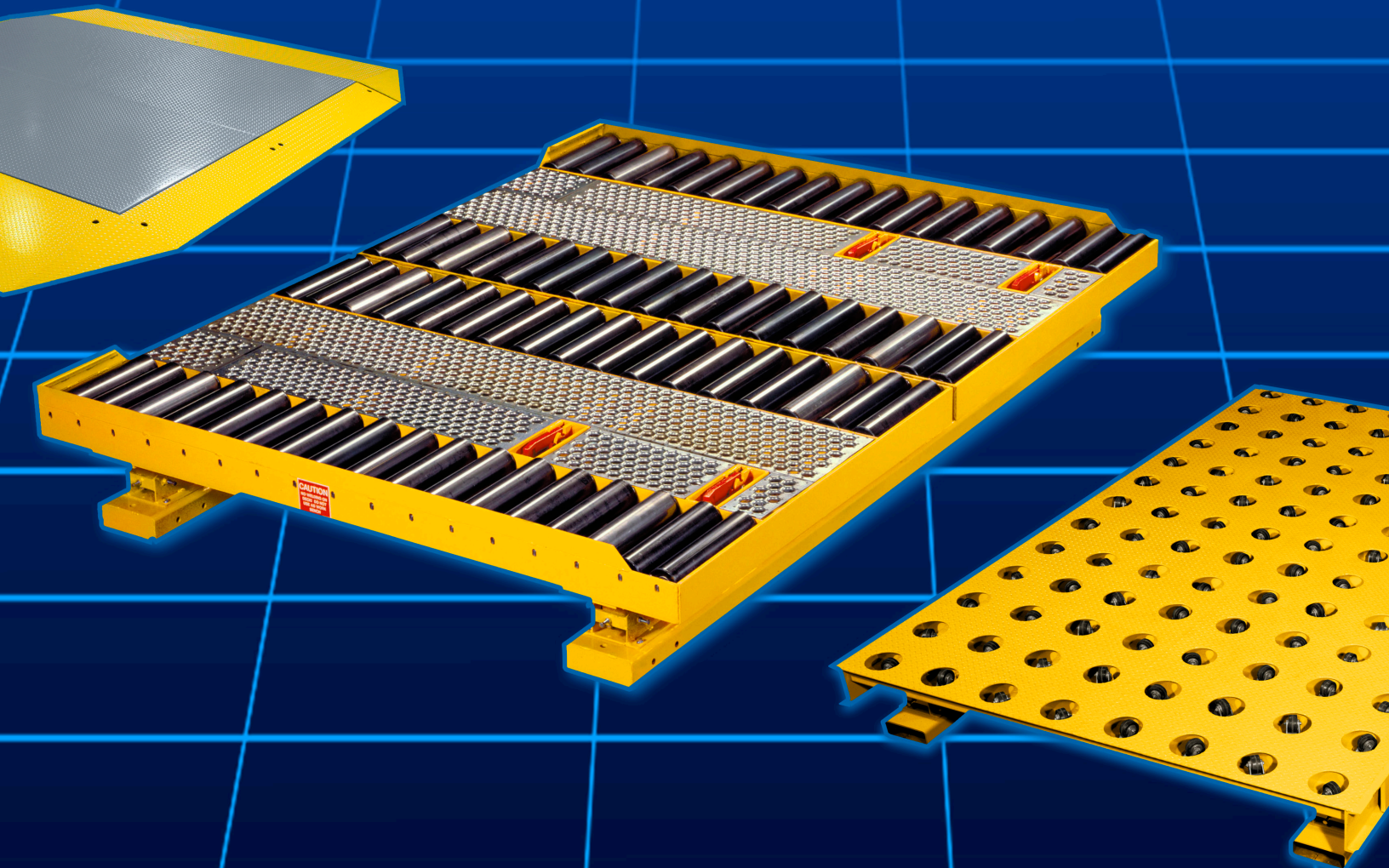


**Avery Weigh-Tronix**



# Cargo Scales

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

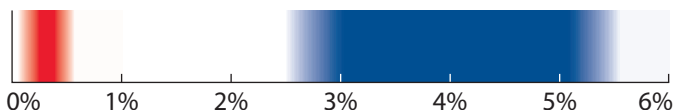
# Proven Sensor Reliability

*Designed for accuracy with Weigh Bar<sup>®</sup> sensor technology*

**Avery Weigh-Tronix**

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



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.

## 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 2,500 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 monitored.

### 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

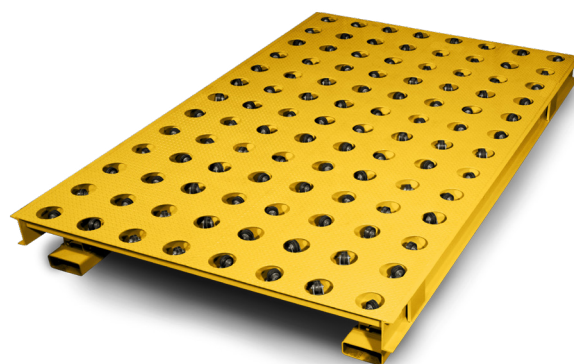
A heavy-duty scale specifically designed to make the weighing of large cargo containers fast and accurate. Allows loading and unloading in any direction, with steel tip-up stops in key locations. Initially designed for the airline industry, the swivel caster scale lends itself to a wide variety of commercial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

	Pancake Scale	Dual Roller Scale	Swivel Caster Scale
<b>Accuracy</b>	NTEP Class III, 5,000 divisions	0.1% of applied load	0.1% of applied load
<b>Capacity</b>	20,000 lb	20,000 lb	20,000 lb
<b>Dimensions</b>	10' L x 10' W x 4" H	100" L x 132" W x 20" H (±2")	131" L x 107" W x 21" H (±2")
<b>Weight Sensors</b>	Four 5,000 lb Weigh Bars®	Eight 2,500 lb Weigh Bars	Four 5,000 lb Weigh Bars
<b>Construction</b>	One piece integral platform with 5/16" top plate; textured carbon steel tread plate	Scale platform is constructed from welded, high strength structural steel components with nonskid walkways. Undercarriage allows height adjustment from 18" to 22".	Scale platform is constructed from welded, high strength structural steel components. Undercarriage allows height adjustment from 19" to 23".
<b>Junction Box</b>	Stainless steel with approximately 25 ft. of interface cable to connect junction box to indicator	Stainless steel with approximately 25 ft. of interface cable to connect junction box to indicator	Stainless steel with approximately 25 ft. of interface cable to connect junction box to indicator
<b>Weigh Bar Output</b>	2 mV/v	2 mV/v	2 mV/v
<b>Finish</b>	2-3 mil layer of two-component urethane primer 2-3 mil layer of acrylic polyurethane	2-3 mil layer of two-component urethane primer 2-3 mil layer of acrylic polyurethane	2-3 mil layer of two-component urethane primer 2-3 mil layer of acrylic polyurethane
<b>Overload Protection</b>	200%	200%	200%
<b>End Loading</b>	100% of capacity	100% of capacity	100% of capacity
<b>Operating Temperature</b>	14° to 104°F (-10° to 40°C)	14° to 104°F (-10° to 40°C)	14° to 104°F (-10° to 40°C)
<b>Resolution</b>	10,000 divisions in non-legal application	10,000 divisions in non-legal application	10,000 divisions in non-legal application
<b>Options</b>	Smooth top		
<b>Agencies</b>	NTEP CC#: 90-132 Measurement Canada		



# Avery Weigh-Tronix

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

Avery Weigh-Tronix is an ITW company



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