



PORTABLE TRUCK SCALE

BridgeMont BMS-P
SteelBridge IMXT-P

Technical Specification



GENERAL

Avery Weigh-Tronix portable scales go anywhere there is an immediate need for on-site truck weighing — mining and timber operations, road construction, asphalt facilities, quarries or construction sites. They can also quickly fill the gap when other scales fail.

Focus on productivity with same-day setup and operation.

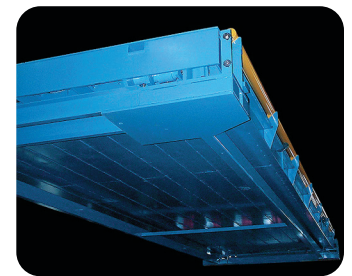
Avery Weigh-Tronix Portable Truck Scales can be installed in just 2–4 hours on any stable surface, including: bridge planks, concrete piers or blocks, a concrete slab or swamp pad. The self-contained modular sections eliminate costly site preparation. Each section incorporates built-in Weigh Bar® weight sensors, robust sub-frame with large pier assemblies, and dedicated conduit runs for fast setup and tear down.

FEATURES & BENEFITS

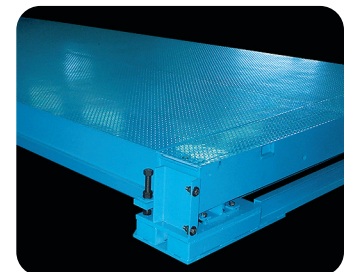
Durability for the long haul — Nowhere is structural integrity more critical than in a portable truck scale. The ability to provide accurate measurement under extreme environmental conditions, frequent moves and heavy loading requires exceptional strength and engineering. Avery Weigh-Tronix Portable scales meet the challenge with sandwich steel construction: a checkered steel deck, supported by full-length structural steel members and stabilized with a complete bottom plate. 100% continuous welding throughout the structure seals it against moisture and premature corrosion.

Proven Weigh Bar® reliability — In a three-year study on, the Weigh Bar exhibited failure rate of just 0.3% – compared with a national industry average of 3 to 5% for load cells. To add to the overall reliability, all Weigh Bar cable is sheathed in stainless steel and internally routed through steel conduit for superior protection against moisture, wear and rodents.

Permanent installation — When a temporary need turns into a long-term application, there's no need to purchase a new scale. All models of the BMS-P and IMXT-P can be readily converted to permanent, low-profile truck scales.



Fully-enclosed sandwich steel construction for greater strength and corrosion protection.



Modular sections bolt together at the installation site.



Installs on any stable surface – fast assembly and leveling.

SPECIFICATIONS

	BMS-P	IMXT-P
Dual Tandem Axle Rating	90,000 lb	90,000 lb
Concentrated Load Capacity (CLC)	45 tons	45 tons
"r" Factor Rating	2.65	2.65
Weight Sensors (Weigh Bars) Capacity:	75K	75K
Top Plate: Checkered	1/4"	3/8"
Bottom Plate	1/8"	3/16"

- Elevation Profile:** 19 inches nominal
Junction Boxes: Stainless steel NEMA 4X with Gore vent
Surge Voltage Protection: Standard
Cable: Stainless steel sheathed Weigh Bar cable and 50' interface cable
Bulkheads:
- › 13' structural "C" channel type bulkheads (one pair) included with 10' wide models
 - › 14' structural "C" channel type bulkheads (one pair) included with 11' wide models

Operating Environment: -30° to 130° F

Approvals –
 NTEP, Cert. Of Conf. #97-074 (BMS-P)
 #98-040 (IMXT-P)

Approved up to 14' width
 Approved for livestock weighing

Warranty –
 5 years - Weigh Bars (BMS-P and IMXT-P)
 10 years - Weighbridge Structure (BMS-P)
 15 years - Weighbridge Structure (IMXT - P)

OPTIONS

- › Battery operated or AC powered instrumentation
- › Bolt-on guide rails
- › Guide posts
- › Custom lengths and widths available
- › LED Remote Displays
- › Printers
- › ZM Kiosk Systems
- › ZB210 Digital Junction Box



ZM SERIES INDICATORS

The ZM Series Indicators are available with a wide range of features and functionality to match the needs of specific applications, from simple to complex. A truck scale In/Out software application provides tracking for open transactions and storage for completed transactions as well as tare weights.



GUIDE RAILS AND POSTS

Extreme-duty guide rails are bolted in place to provide a strong, attractive barrier against accidental drive-offs. Tubing is gentle on truck wheels and is offset to allow full use of deck. Yellow paint is standard feature.



UNATTENDED SYSTEMS

Allows 24/7 scale availability. Can be customized with several hardware options such as loop detectors, ID readers, printers, traffic lights, and wireless communication.

BMS-P	IMXT-P	NOMINAL PLATFORM LENGTH (feet)	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
BMS-P 201X	IMXT-P 20 x 10 or 11	20	1	4	45
BMS-P 241X	IMXT-P 24 x 10 or 11	24	1	4	45
BMS-P 401X	IMXT-P 40 x 10 or 11	40	2	6	90
BMS-P 471X	IMXT-P 47 x 10 or 11	47	2	6	90
BMS-P 601X	IMXT-P 60 x 10 or 11	60	3	8	135
BMS-P 701X	IMXT-P 70 x 10 or 11	70	3	8	135
BMS-P 801X	IMXT-P 80 x 10 or 11	80	4	10	135
BMS-P 931X	IMXT-P 93 x 10 or 11	93	4	10	135
BMS-P 1001X	IMXT-P 100 x 10 or 11	100	5	12	135

90,000 lb CLC/DTA, 10' or 11' wide, 19" profile

Custom widths available by consulting factory

Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company