



BridgeMont

Standard Duty Steel Deck Truck Scale

Technical Specification

General

- The BridgeMont Standard Duty Truck Scale provides an economical solution for those applications with moderate traffic and axle loads up to highway limits. It utilizes the same sandwich steel construction and weigh bars as the heavier models for outstanding strength and reliability.

Features & Benefits

FEATURES	BENEFITS
Gross Capacity	With a capacity of 40 to 100 tons this scale can handle a wide range of trucks and configurations.
Platform Lengths	Platform lengths from 10' to 120'; assuring each customer the right size for the application.
Platform Widths	Standard widths of 10' and 11' to fit a range of applications and existing foundations.
Concentrated Load Capacity (CLC)	At 35 tons, the BridgeMont Standard Duty Truck Scale is comparable to other product costing thousands more.
Dual Tandem Axle Rating (DTA)	At 70,000 lb, the BridgeMont Standard Duty Truck Scale provides the highest Dual Tandem Axle Rating in its class.
"r" Factor	With an "r" Factor of 2.06, the BridgeMont is twice the legal highway load limit of 34,000 lb.
Module Size	At 10', 12', 20', 23.5', and up to 120'; the BridgeMont uses fewer load sensors, only 8 on a typical 70' scale, compared to 10 or more on competitive models.
Weighbridge Thickness	At only 10.125" thick, the BridgeMont Standard Duty Truck Scale provides a lower profile, compact, and structurally superior design.
Profile	At 14", the compact, efficient design of the BridgeMont, minimizes approach and exit requirements, and yet provides the user total confidence in integrity of the weigh bridge.
Full Electronic Design	Avery Weigh-Tronix has been an unsurpassed leader in utilizing state of the art technology, in virtually every aspect of their truck scales.
Factory Assembled	Minimizes installation time and costs. Insures consistent product quality.
Weighbridge Design	An outstanding weighbridge design, that includes a sandwich steel deck design that reduces the weight of the deck yet increases the strength of the scale. The second benefit of the sandwich design is it seals the deck structure from the elements which can reduce the life of the scale. The sandwich steel deck design increases the life and strength of the scale which comparable truck scales cannot compete with.
Corrosion Protection	All steel surfaces are sandblasted to SSPC-6 industry standards. A high quality industrial grade urethane primer is applied, followed by a final coat of an acrylic polyurethane. Galvanizing is available.
Module Installation	The absence of grout plates and the drilled in place anchor bolts mean simple, low cost installation.
Weigh Bars®	Capacity of 60,000 lb for each sensor, with 200% overload safety factor.
Weigh Bar Performance	Impervious to end, side, and torque loading conditions, that can destroy conventional load cells.
Weigh Bar Design	Produced from high quality aircraft alloy steel bar stock, that has been heat treated, quenched, and tempered, to resist corrosion. Better repeatability and less hysteresis than stainless steel.
Weigh Bar Reliability	Failure rate of only 0.31% compared with a national average of 3 to 5% on conventional load cells.
Weigh Bar Protection	Extremely resistant to surge voltage or lightning related problems. Strain gauges are scientifically sealed against moisture or corrosive elements.
Weigh Bar Cabling	Neoprene jacketed cable in factory installed conduit runs, with rodent barriers. Stainless Steel jacketed cables are available.
Weigh Bar Self-Checking	Rugged Pin & Link™ or Easi-Post™ suspension, and self-checking design, absorbs shocks, and sudden stopping and starting of vehicles on scale. No check rods or bumper plates required.
NEMA 4 Stainless Steel Junction Box	Compact, all stainless steel junction and summation boxes, with connector less cables for elimination of moisture or condensation related problems.



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E1310 Indicator

The E1310 Indicator with truck scale In/Out software application simplifies vehicle weighing. Track up to 250 different open transactions and store up to 1,000 completed transactions. You can also store up to 500 tare weights.

Guide Rails And Posts

Extreme-duty guiderails are welded 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.



Unattended Systems

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

Manhole

Provides easy access in pit installations. Reinforced 2' x 2' manhole includes a heavy-duty cover to maintain weighbridge integrity.



Approvals –

NTEP, Cert. Of Conf. #97-074

Warranty –

5 years - Weigh Bars

5 years - Weighbridge

OPTIONS & ACCESSORIES

- Stainless Steel Shielded Cable
- Remote Displays
- Grain Dump Modules
- Guide Rails
- Printers
- Galvanized Finish
- Guard Posts
- Pre-Fab Foundations
- MI-Payload, Measurement Intelligence Software
- Manhole Rings and Covers
- Hazardous Area Systems
- Traxle™ - Total Truck Weight and Axle Weights
- Indicators
- Multi-Platform Systems for Axle Weighing

MODEL NUMBER	SIZE	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
BMS-SD 3010-70T	29' 7.25" x 9' 10.5"	2	6	70
BMS-SD 3510-70T	34' 11.25" x 9' 10.5"	2	6	70
BMS-SD 4010-70T	40' 3.25" x 9' 10.5"	2	6	70
BMS-SD 4710-70T	46' 11.25" x 9' 10.5"	2	6	70
BMS-SD 6010-100T	59' 10.5" x 9' 10.5"	3	8	100
BMS-SD 7010-100T	69' 10.5" x 9' 10.5"	3	8	100
BMS-SD 8010-100T	79' 5.75" x 9' 10.5"	4	10	100
BMS-SD 3011-70T	29' 7.25" x 11'	2	6	70
BMS-SD 3511-70T	34' 11.25" x 11'	2	6	70
BMS-SD 4011-70T	40' 3.25" x 11'	2	6	70
BMS-SD 4711-70T	46' 11.25" x 11'	2	6	70
BMS-SD 6011-100T	59' 10.5" x 11'	3	8	100
BMS-SD 7011-100T	69' 10.5" x 11'	3	8	100
BMS-SD 8011-100T	79' 5.75" x 11'	4	10	100

Avery Weigh-Tronix - USA

1000 Armstrong Drive,
Fairmont, MN 56031-1439 USA
usinfo@awtxglobal.com
Toll-Free: (800) 533-0456
Phone: (507) 238-4461

Avery Weigh-Tronix - UK

Foundry Lane, Smethwick,
West Midlands B66 2LP UK
info@awtxglobal.com
Phone: +44 (0) 8453 66 77 88
Fax: +44 (0) 121 697 5660

Please call us or visit www.averyweigh-tronix.com for your nearest Avery Weigh-Tronix distributor

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