Avery Weigh-Tronix

BridgeMont

Heavy-Duty Concrete Deck Truck Scale

Technical Specification

General

- The BridgeMont Heavy Duty Concrete Deck Truck Scale is an outstanding design that incorporates the most advanced engineering and production technology. It is a scale for the majority of users, the people who require a scale they can depend on, day in and day out.

Features & Benefits

FEATURE	BENEFITS
Gross Capacity	With a capacity of 40 to 135 tons this scale can handle a wide range of trucks and configurations.
Platform Lengths	Platform lengths from 10' to 150'; assuring each customer the right size for the application.
Platform Widths	Standard widths of 10', 11', 12' and all the way up to 15' to fit a range of applications and existing foundations.
Concentrated Load Capacity (CLC)	At 45 tons, the BridgeMont Heavy Duty Concrete Deck Truck Scale is comparable to other product costing thousands more.
Dual Tandem Axle Rating (DTA)	At 90,000 lb, the BridgeMont Heavy Duty Concrete Deck Truck Scale provides the highest Dual Tandem Axle Rating in its class.
"r" Factor	With an "r" Factor of 2.65, the BridgeMont is twice the legal highway load limit of 34,000 lb.
Module Size	At 10', 12', 20', 23.5', and 25'; the BridgeMont uses fewer load sensors, only 8 on a typical 70' scale, compared to 10 or more on competitive models.
Weighbridge Thickness	At 10.125" thick, the BridgeMont Heavy Duty Concrete Deck 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 weighbridge.
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 5" field poured concrete deck, on top of a robust steel deck substructure. This superior design places the concrete in a compression application, above the neutral axis, and the steel components in a tension and compression application. This design has more steel content than most competitive models.
Corrosion Protection	All steel surfaces are sandblasted too SSPC-6 industry standards. A high quality industrial grade urethane primer is applied, followed by a final coat of an acrylic polyurethane.
Module Installation	The absence of grout plates and the drilled in place anchor bolts mean simple, low cost installation.
Weigh Bars®	Capacity of 75,000 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 ally 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	Stainless steel jacketed cables in factory installed conduit runs.
Weigh Bar Self-Checking	Rugged Easi-Post™ suspension with self-checking design absorbs shocks and vibration from sudden starting and stopping 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.

BridgeMont – Heavy-Duty Concrete Deck Truck Scale

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 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.

Manhole

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

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.

Approvals

NTEP, Cert. Of Conf. #97-074
Approved up to 14' width
Approved for livestock weighing

Warranty

5 years - Weigh Bars
10 years - Weighbridge

OPTIONS & ACCESSORIES

Unattended Control Systems
Remote Displays
Grain Dump Modules
Guide Rails
Printers
Guard Posts
Pre-Fab Foundations
MI-Payload, Measurement Intelligence Software
SensorComm™ Digital Junction Box System
Manhole Rings and Covers
Hazardous Area Systems
Indicators
Multi-Platform Systems for Axle Weighing

NOMINAL PLATFORM LENGTH (feet)	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
10	1	4	40
12	1	4	40
20	1	4	40
24	1	4	40
30	2	6	80
35	2	6	80
40	2	6	80
47	2	6	80
60	3	8	100
70	3	8	100
80	4	10	100
93	4	10	100
100	4 or 5	12	100
116	5	12	100

All platform lengths are available in a choice of widths:
9'10.5" 11' 12' 13' 14'

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Avery Weigh-Tronix

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