



## 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 100 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.
"I" Factor	With an "I" 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 up to 150'; 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 makes.
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.
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 standard.
Weigh Bar Self-Checking	Rugged single link 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.



# 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.

## Approvals

NTEP, Cert. Of Conf. #97-074

Approved up to 13' width

Approved for livestock weighing

## Warranty

5 years - Weigh Bars

10 years - Weighbridge

## OPTIONS & ACCESSORIES

Unattended Control Systems

Stainless Steel Shielded Cable

Remote Displays

Grain Dump Modules

Guide Rails

Printers

Guard Posts

Pre-Fab Foundations

MI-Payload, Measurement Intelligence Software

Manhole Rings and Covers

Hazardous Area Systems

Indicators

Multi-Platform Systems for Axle Weighing

MODEL NUMBER	SIZE	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
BMC 1010	10' x 10'	1	4	40
BMC1210	12' x 10'	1	4	40
BMC 2010	20' 8" x 10'	1	4	40
BMC 2410	24' x 10'	1	4	40
BMC 3010	29' 7" x 10'	2	6	80
BMC 3510	34' 11" x 10'	2	6	80
BMC 4010	40' 3" x 10'	2	6	80
BMC 4710	46' 11" x 10'	2	6	80
BMC 6010	59' 11" x 10'	3	8	135
BMC 7010	69' 11" x 10'	3	8	135
BMC 8010	79' 6" x 10'	4	10	135
BMC 9310	92' 10" x 10'	4	10	135
BMC 10010	99' 1" x 10'	5	12	135
BMC 11610	115' 9" x 10'	5	12	135
BMC 1011	10' x 11'	1	4	40
BMC 1211	12' x 11'	1	4	40
BMC 2011	20' 8" x 11'	1	4	40
BMC 2411	24' x 11'	1	4	40
BMC 3011	29' 7" x 11'	2	6	80
BMC 3511	34' 11" x 11'	2	6	80
BMC 4011	40' 3" x 11'	2	6	80
BMC 4711	46' 11" x 11'	2	6	80
BMC 6011	59' 11" x 11'	3	8	135
BMC 7011	69' 11" x 11'	3	8	135
BMC 8011	79' 6" x 11'	4	10	135
BMC 9311	92' 10" x 11'	4	10	135
BMC 10011	99' 1" x 11'	5	12	135
BMC 11611	115' 9" x 11'	5	12	135

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# Avery Weigh-Tronix



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