



BRIDGEMONT

Low-Pro 8
Truck Scale
(BMS-LP8)

Technical Specification

DESCRIPTION

The BridgeMont Low-Pro 8 (BMS-LP8) is an outstanding truck scale design that incorporates advanced engineering and production technology to produce a high quality truck weighing system. The high-strength characteristics and extra-low elevation profile of the BridgeMont Low-Pro 8 makes it an ideal replacement unit for other brands of worn out scales on existing foundations. Each scale is fully factory assembled, pre-calibrated, and performance tested to exacting NIST, NTEP, and ISO specifications, prior to shipment.

SPECIFICATIONS

FEATURES	BENEFITS
Gross Capacity	With a capacity of 45 to 135 tons this scale can handle a wide range of trucks and configurations.
Platform Lengths	Typical platform lengths are 15' and 17.5' nominal. Combine several platforms to reach up to 120'; assuring each customer the right size for the application.
Platform Widths	Standard widths of 10' and 11' to fit a wide range of existing foundations.
Concentrated Load Capacity (CLC)	At 45 tons, the BMS-LP8 Truck Scale is comparable to other product costing thousands more.
"r" Factor	With an "r" Factor of 2.65, the BMS-LP8 can handle more than 2.5 times the legal highway axle load limit of 34,000 lb.
Weighbridge Thickness	At only 8.375" thick and using thirteen heavy-duty 8" wide flange beams, the BMS-LP8 Truck Scale provides a lower profile, compact, and structurally superior design.
Elevation Profile	At 11.25", the compact, efficient design of the BMS-LP8 minimizes approach and exit requirements, 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 scale product range.
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 greatly increases the strength of the scale. The 8" beams are continuously welded to 1/4" checkered deck plate and 3/16" bottom plate.
Corrosion Protection	All steel surfaces are commercial blast cleaned to SSPC 6 industry standards. A high performance, high solids, two component urethane primer is applied, followed by a final coat of high quality, heavy-duty 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 alloy steel bar stock that has been heat treated, quenched, and tempered. 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.
Easi-Post Self-Checking	Rugged Easi-Post™ suspension with self-checking design absorbs shocks and vibration from sudden starting and stopping of vehicles on scale. All components are made with hardened, stainless steel material for outstanding strength, durability, and corrosion protection. No check rods or bumper plates required.
NEMA 4X Stainless Steel Junction Box	Compact, all stainless steel junction and summation boxes, with connector-less cables for elimination of moisture or condensation related problems. Includes Gore breather vent to equalize pressure inside and outside the 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.

Approvals –

NTEP, #97-074

Warranty –

5 years - Weigh Bars

10 years – Weighbridge structure

OPTIONS & ACCESSORIES

ZB210 Digital Junction Box

Guide Rails

Manhole Rings and Covers

Multi-Platform Systems for Axle Weighing

Guard Posts

Printers

Indicators

Remote Displays

ZM Kiosk Systems

Hazardous Area Systems



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.



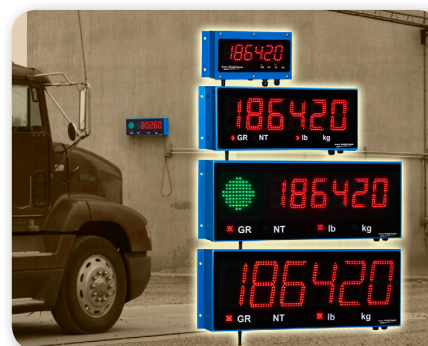
MANHOLE

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.



REMOTE DISPLAYS

These remote displays allow clear, comfortable viewing of scale information at considerable distances: indoors and outdoors. Popular options such as wireless RF connectivity and integrated traffic lights are available.

NOMINAL PLATFORM LENGTH (feet)	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
15	1	4	90
17	1	4	90
30	2	6	180
35	2	6	180
60	4	10	270
70	4	10	270
80	5	12	270

All platform lengths are available in a choice of widths:
9' - 10.5' - 11'

Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company



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