



## BridgeMont Low-Pro 8 Truck Scale

*Technical Specification*

### General

- The BridgeMont Low-Pro 8 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.

### 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	Typical platform lengths are 15' and 17.5'. 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 BridgeMont Low-Pro 8 Truck Scale is comparable to other product costing thousands more.
Dual Tandem Axle Rating (DTA)	At 90,000 lb, the BridgeMont Low-Pro 8 Truck Scale provides the highest Dual Tandem Axle Rating in its class.
"r" Factor	With an "r" Factor of 2.65, the BridgeMont Low-Pro 8 safely handles twice the legal highway axle load limit of 34,000 lb.
Weighbridge Thickness	Using thirteen heavy-duty 8" wide flange beams, the BridgeMont Low-Pro 8 Truck Scale provides a lower profile, compact, and structurally superior design.
Profile	At 11.25", the compact, efficient design of the BridgeMont Low-Pro 8, 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 sandwich steel deck design that greatly increases the strength of the scale. The 8" beams are continuously welded to ¼" checkered deck plate and ⅜" bottom plate.
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.
Simple 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. 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, 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 – Low-Pro 8 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 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, #97-074

## Warranty –

5 years - Weigh Bars

10 years – Weighbridge

## OPTIONS & ACCESSORIES

Remote Displays

Guide Rails

Printers

Galvanized Finish

Guard Posts

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-LP8-1510	15' x 10'	1	4	80,000
BMS-LP8-1710	17.5' x 10'	1	4	80,000
BMS-LP8-3010	30' x 10'	2	6	160,000
BMS-LP8-3510	35' x 10'	2	6	160,000
BMS-LP8-6010	60' x 10'	4	10	200,000
BMS-LP8-7010	70' x 10'	4	10	200,000
BMS-LP8-8010	80' x 10'	5	12	200,000
BMS-LP8-1511	15' x 11'	1	4	80,000
BMS-LP8-1711	17.5' x 11'	1	4	80,000
BMS-LP8-3011	30' x 11'	2	6	160,000
BMS-LP8-3511	35' x 11'	2	6	160,000
BMS-LP8-6011	60' x 11'	4	10	200,000
BMS-LP8-7011	70' x 11'	4	10	200,000
BMS-LP8-8011	80' x 11'	5	12	200,000

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