



BridgeMont BMS-T Containerised Weighbridge

Technical Specification

General

The BridgeMont Transportable (BMS-T) weighbridge provides customers with the same robust Bridgemont design that they have come to expect from Avery Weigh-Tronix, but with the added benefit of containerisation for more economical shipping costs. Designed for applications with axle loads up to 35t DTA and capacities up to 120 tonnes.

BMS-T weighbridge utilises the same sandwich steel construction and either our industry leading T series load cells or 34t Weigh Bars for outstanding strength and reliability. The BMS-T with Weigh Bars also comes with the unique EasiPost self-correcting suspension arrangement as standard, reducing end movement and eliminating the need for adjustable end stops.

Features & Benefits

| FEATURE | BENEFITS |
|--|--|
| Weighbridge Design | An outstanding weighbridge that includes a sandwich steel deck design that reduces the weight of the deck yet increases the strength of the scale. The method of construction seals the deck structure from the elements, extending the life of the scale. |
| Gross Capacity | With a capacity of 35 to 120 tonnes, this scale can handle a wide range of trucks and vehicle configurations. |
| Bridge Lengths (nominal) | Weighbridge lengths from 5m to 24m. The BMS-T uses a combination of end boxes and 5m or 6m modules to obtain the optimum platform length required. |
| Module Installation | The modules can be simply assembled using a standard 2.5t counterbalance forklift and constructed using a unique end box structure with half module arrangement and bolted fixings. |
| Standard Module Arrangements (nominal) | 5m, 6m, 10m, 12m, 15m, 16m, 18m, 21m, 24m |
| Platform Widths | Standard width 3m installed. (1.5m for shipping). |
| Dual Tandem Axle Rating (DTA) | At 35 tonnes the BMS-T offers one of the highest ratings in its class. |
| Weighbridge Deck Thickness | Deck thickness at only 265mm, the BridgeMont Transportable provides a lower profile, compact, and structurally superior design. |
| Installed Profile | At 355mm the compact, efficient design of the BMS-T minimizes approach and exit requirements. (Australia 415mm/clearance of 150mm) |
| Fully Electronic Design | Avery Weigh-Tronix has been an unsurpassed leader in utilising state of the art technology in virtually every aspect of weighbridge design. |
| Corrosion Protection | All steel surfaces are shot blasted to SA2.5 industry standards. A high quality industrial grade paint finish is then applied to prevent corrosion. |
| Weighbar Installation | The absence of grout plates and the drilled in place anchor bolts mean simple, low cost installation. Access to Weigh Bars is via top cover plates. |
| T301/2xInstallation | Installation using traditional grouted plates with access via top cover plates. |
| Weigh Bars® | Capacity of 75,000lb/34 tonnes for each sensor, with 200% overload safety factor. |
| Weigh Bar Design | Impervious to end, side, and torque loading conditions that can destroy conventional load cells. Produced from high quality aircraft alloy steel bar stock that has been heat treated, quenched, and tempered to resist corrosion Offers 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. Stainless steel jacketed cables in factory installed conduit runs. 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. |
| 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. |
| Guide Rails | 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 width. (optional) |



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Indicators

Avery Weigh-Tronix offers a range of easy-to-use digital indicators that meet the exact needs of any weighbridge application, from basic weighing to advanced transactions and data handling.



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.



Custom Systems

Can be customised with several hardware options such as loop detectors, ID readers, video surveillance, traffic lights, and wireless communication.

Approvals

OIML

Warranty

2 years - Weigh Bars/T301X/T302X

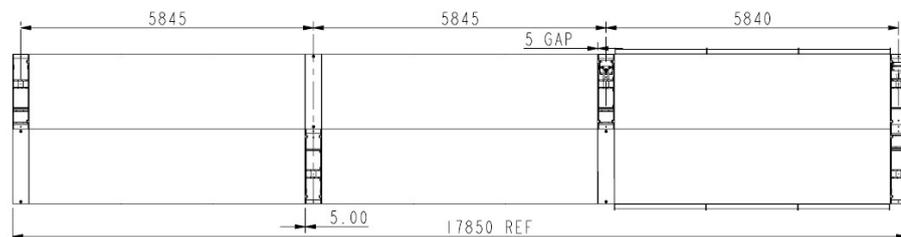
5 years - Weighbridge

Options & Accessories

- Unattended Control Systems
- Remote Displays
- Guide Rails
- Printers
- Guard Posts
- MI-Payload, Measurement Intelligence Software
- Card Readers
- Barriers
- Automatic Number Plate Recognition (ANPR)
- Indicators
- Multi-Platform Systems for Axle Weighing

| NOMINAL LENGTH (meters) | ACTUAL LENGTH (mm) | MODULE PAIRS | WEIGHT SENSORS | GROSS CAPACITY (tonnes) | SHIPPING LENGTH | SHIPPING WEIGHT (kg) |
|-------------------------|--------------------|--------------|----------------|-------------------------|-----------------|----------------------|
| 5 | 5160 | 1 | 4 | 40 | 20' | 3360 |
| 6 | 6160 | 1 | 4 | 40 | 20' | 3800 |
| 10 | 10005 | 2 | 6 | 60 | 20' | 6350 |
| 12 | 12005 | 2 | 6 | 60 | 20' | 7150 |
| 15 | 14850 | 3 | 8 | 100 | 20' | 9300 |
| 16 | 15850 | 3 | 8 | 100 | 20' | 9700 |
| 18 | 17850 | 3 | 8 | 100 | 20' | 10500 |
| 20 | 19695 | 4 | 10 | 120 | 20' | 12250 |
| 21 | 20695 | 4 | 10 | 120 | 20' | 12650 |
| 22 | 21695 | 4 | 10 | 120 | 20' | 13050 |
| 23 | 22695 | 4 | 10 | 120 | 20' | 13450 |
| 24 | 23695 | 4 | 10 | 120 | 20' | 13850 |

(Shipping weight excludes rail kits)



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

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