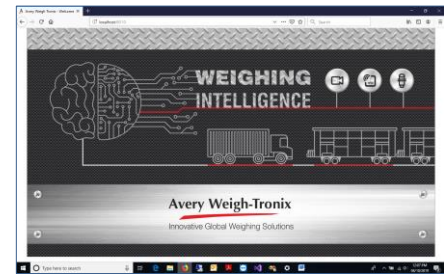
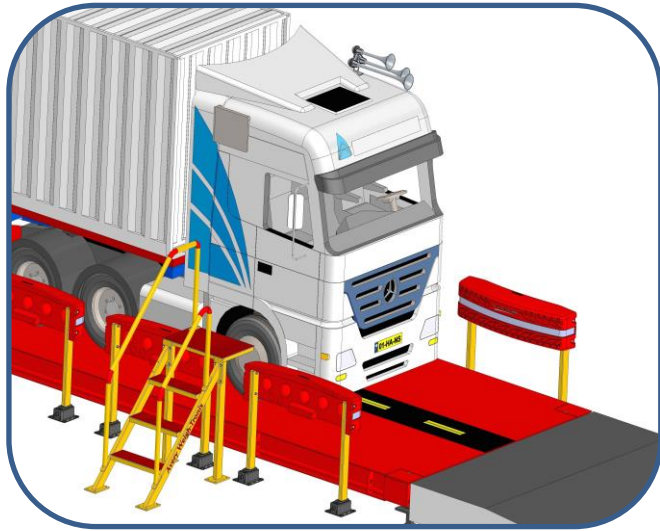


Steel deck Weighbridge



The ZM510-BMI *Ultra* series is latest generation of Avery Weigh-Tronix weighbridges, reinforcing our commitment towards providing innovative weighing solutions of global standards to our customers. These standard-duty, steel deck weighbridges are ideal for weighing regular commercial road vehicles in all industry verticals with exceptional precision & reliability.

FEATURES

Deck Structure

- Modular construction in 3m width
- Well distributed strength due to 9 nos. of parallel flange beams in each module
- Robust environment protection for modules, sealed with welded top & bottom plates
- Superior anti-skid performance with chequered top plates with single joint
- Yellow/Black painted Median strip on top for safety
- Low height of deck to save on cost of ramps
- Future extension possible due to modular design
- Warp & stress-free fabrication using jigs/fixtures
- Faster installation due to factory checked module assembly

Load cells

- Option of T301x Digital or T302x Analog load cells
- Indigenously manufactured as per global standards
- OIML R-60 certified accuracy of C5 & C6 class
- Ultimate protection from dirt, moisture and harsh environment with 100% Stainless steel construction having IP69K & IP68 certification
- Built-in surge & lightning protection

ZM510 Indicator

- High internal resolution of 67 million counts and measuring rate of 100 times per second
- Motion detection & auto zero tracking
- High visibility ISTN 320x80 pixel graphic display
- Full QWERTY keypad with numeric & function keys
- Wide range of connectivity options with 3xRS232 serial, 2xUSB host and 1xEthernet ports as standard
- Maximum environmental protection with IP69K rated SS304 housing and Gore® Vent technology

Weighbridge management Software

- Compatible with latest Windows® 10 OS
- Browser based, user friendly graphical interface
- Modular architecture with high configurability
- Secure MS-SQL Express database
- Wide range of print-outs and reports

Weighing Intelligence Solution - options

- Vehicle Image capture at weighing instant
- Vehicle Position verification
- Unmanned Weighbridge System
- In-plant Truck Management System
- Centralized database & ERP integration

FlexGuard Guide Rails

- Innovative design for operational safety
- Polymer fenders prevent damage to vehicle body
- Absorbs accidental impact due to flexible mounting
- Protects from breakage/deformation of guide rails as it self-restores after being disengaged
- Ideal for both surface & pit mounted installations.

ZM510-BMI Ultra Weighbridge

SPECIFICATIONS

General

Gross Capacity:

50 to 100 tonnes

Platform Lengths:

6m to 24m

Platform Width:

3m

Module Size:

4m to 8m

Dual Tandem Axle Rating:

30~36t DTA per module

Mounting:

Surface or Pit mountable

Height:

355 mm

Material of Construction

Mild steel IS:2062

Beams: UB254 (9 nos.)

Top plate: 8mm chequered

Bottom plate: plain MS

Sources: JISL/TISCO/Essar

Corrosion Protection

Steel surfaces blast cleaned to a roughness of SA 2 ½ with Zinc rich primer & Red epoxy finish

Load cell options

- T301x Digital, OIML C6, 30t/45t
- T302x Analogue, OIML C5, 23t/45t

Junction Box

IP66 steel junction box with lock

Homerun cable

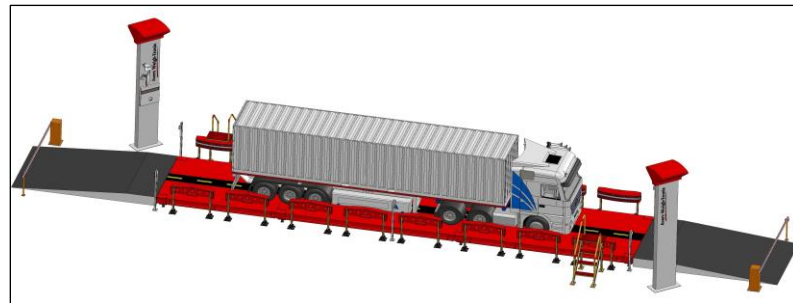
Std. 5 meter 6 core, screened PU/PVC sheathed cable from JB to indicator

Optional add-ons

- MS fabricated ramps
- Fabricated molds for composite ramp
- Weighbridge Safety Ladder
- 57mm / 100mm LED Jumbo display
- Desktop PC
- Dot Matrix / Laserjet Printer
- Online UPS with batteries
- Prefabricated Weigh-cabin
- Weighing Intelligence solutions
- Homerun cable extension
- Hazardous area version

Approvals

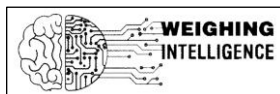
Model Approved for Class-III under Legal Metrology Act 2011



| | Platform LxW (m) | Modules (Nos.) | Load Cells (Nos.) | Dual Tandem Axle Load (t) | Gross Capacity (tonne) |
|--------------------|------------------|----------------|-------------------|---------------------------|------------------------|
| ZM305*-BMI06AUltra | 6 x 3 | 1 | 4 | 32 | 40t x 10kg |
| ZM305*-BMI08AUltra | 8 x 3 | 1 | 4 | 32 | 40t x 10kg |
| ZM510-BMI10AUltra | 10 x 3 | 2 | 6 | 36 | 50/60t x 10kg |
| ZM510-BMI12AUltra | 12 x 3 | 2 | 6 | 36 | 50/60t x 10kg |
| ZM510-BMI14AUltra | 14 x 3 | 3 | 8 | 36 | 80/100t x 20kg |
| ZM510-BMI16AUltra | 16 x 3 | 2 | 6 | 32 | 50/60t x 10kg |
| | | 3 | 8 | 36 | 80/100t x 20kg |
| ZM510-BMI18AUltra | 18 x 3 | 2 | 6 | 32 | 50/60t x 10kg |
| | | 3 | 8 | 36 | 80/100t x 20kg |
| ZM510-BMI24AUltra | 24 x 3 | 4 | 10 | 36 | 80/100t x 20kg |

Note: For longevity, ensure to select appropriate product for your application.

* 6m & 8m are std. with ZM305. Can be offered with ZM510 if required.



Avery Weigh-Tronix

www.averyweigh-tronix.com/en-IN/

Avery Weigh-Tronix is an ITW company

WB_ZM510-BMIxxA_ULTRA_SPEC.
Version 03: 02/2020



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