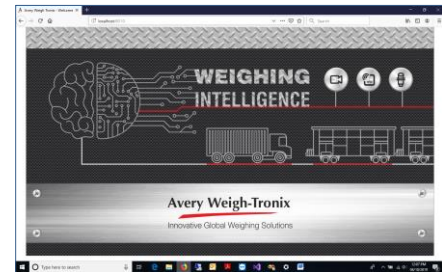


## Steel deck Weighbridge



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 Safety Median strip (patented design)
- 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
- **SmartTower™\*** 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

(6mm for 9m length)

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 moulds 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

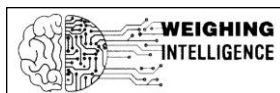


	Platform LxW (m)	Modules (Nos.)	Load Cells (Nos.)	Dual Tandem Axle Load (t)	Gross Capacity (tonne)
ZM305*-BMI06AUltra	6 x 3	1	4	32	40t x 10kg
ZM305*-BMI08AUltra	8 x 3	1	4	32	40t x 10kg
ZM510-BMI10AUltra	10 x 3	2	6	36	50/60t x 10kg
ZM510-BMI12AUltra	12 x 3	2	6	36	50/60t x 10kg
ZM510-BMI14AUltra	14 x 3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

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

\* Std. with ZM305 Can be offered with ZM510 as option

TM\* - trademarks applied for



**Avery Weigh-Tronix**

[www.averyweigh-tronix.com/en-IN/](http://www.averyweigh-tronix.com/en-IN/)

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