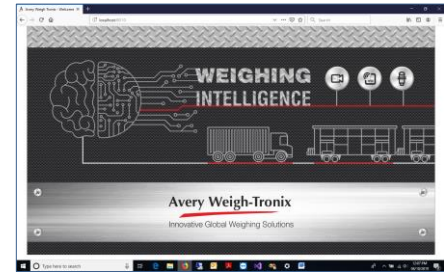


Heavy duty, Steel deck Weighbridge



The **ZM510-J2 *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 heavy-duty, steel deck weighbridges are suitable for almost any industrial application for weighing trucks and road vehicles. The rugged and safety-oriented design of these weighbridges provides exceptional precision & reliability.

FEATURES

Deck Structure

- Modular construction in 3m & 3.5m widths
- 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 minimum joints
- 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 printouts 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

Flex Guard 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-J2 Ultra Weighbridge

SPECIFICATIONS

General

Gross Capacity:

50 to 120 tonnes

Platform Lengths:

9m to 18m

Platform Width:

3m and 3.5m

Module Size:

4.5m to 6m

Dual Tandem Axle Rating:

44/50t DTA for 50/60t capacity, 65t TTA for 100t capacity

Mounting:

Surface or Pit mountable

Height:

405 mm

Material of Construction

Mild steel IS:2062

Beams: UB254 (9 or more)

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 Analog, 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
- Custom sizes & capacities feasible

Approvals

Model Approved for Class-III under Legal Metrology Act 2011



Model	Platform LxW (m)	Modules (Nos.)	Load Cells (Nos.)	Gross Capacity (tonne)
ZM305*-J209AUltra	9 x 3	2	6	50t x 10kg 60t x 10kg
ZM510-J212AUltra	12 x 3	2	6	60t x 10kg
ZM510-J214AUltra	14 x 3	3	8	80t x 20kg 100t x 20kg
ZM510-J216AUltra	16 x 3	3	8	60t x 10kg 80t x 20kg 100t x 20kg
ZM510-J218AUltra	18 x 3	3	8	60t x 10kg 80t x 20kg 100t x 20kg
ZM510-J218AWUltra	18 x 3.5	3	8	100t x 20kg
ZM510-J218AXUltra	18 x 3	3	8	120t x 20kg

Note - * ZM305 is std. with 9x3m. ZM510 can be offered if required. TM* - trademarks applied for



Avery Weigh-Tronix

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

Avery Weigh-Tronix is an ITW company

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