



AXLE WEIGHING ZM510 APPLICATION



High accuracy, in-motion
axle weighing system

Technical Specification



DESCRIPTION

A pit mounted steel platform, combines with an IP69K rated weight indicator to provide a high accuracy axle weighing system. Designed to function in all weathers, the system can be used for either weighing-in-motion or as a static scale. The axle weighing application is available in heavy duty and off-road designs.

SPECIFICATIONS

GENERAL

Features	High accuracy in-motion and static axle weighing system UK National and EC Type approved design with IP69K rated weight indicator Customer configurable tickets and reports Heavy duty and off-road designs
Operating Speed	0 to 5 km/h for optimum accuracy
Accuracy	All systems supplied with a factory test certificate of accuracy traceable to National Standards Factory deadweight tested to 20,000 kgs ± 5 kgs to 5,000 kgs end to end ± 10 kgs to 20,000 kgs On installation ± 0.5% of Gross Vehicle Weight (site dependent) In service ± 1% of Gross Vehicle Weight (site dependent)
Overload Capacity	150%



PHYSICAL

Deck Structure	3000 mm x 730 mm x 240 mm Special sizes and dual platforms available on request		
Capacity	Standard: 25,000 kgs Heavy Duty: 40,000 kgs		
Steel Pit Frame Surround	3252 mm x 902 mm x 350 mm		
Weight	Model 120: 860 kg	Model 220 HD: 890 kg	Steel Pit Frame: 340 kg

ELECTRICAL

Power Requirements	Input rating of 85-264 VAC 120-300 BDC Frequency 47-440 Hz 2A
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DISPLAY

Display increment	10 kgs
Display	Programmable and highly connective, ZM510 display, analyses, stores and transmits data across devices, offering an end-to-end, personalised weighing solution, with secondary data input display, including: over speed and over weight display, real time clock.
Keypad	Alphanumeric

INPUT/OUTPUT

Serial	Three serial ports: - Comm 1 RS232 full duplex - Comm 2 RS232 full duplex - Comm 3 RS232 full duplex Manual and Autoprint function
USB Host	USB Host (2) Two USB Host ports for: Printer USB flash memory Remote USB keyboard
Ethernet	The Ethernet port can be configured to support ten independent devices, it supports DHCP client/server and Ethernet sockets plus it supports all the serial protocols. Fieldbus Ethernet IP and Modbus TCP
Options	Can be integrated with: Any control barriers Traffic lights ANPR RFID Signs Cameras

APPROVALS

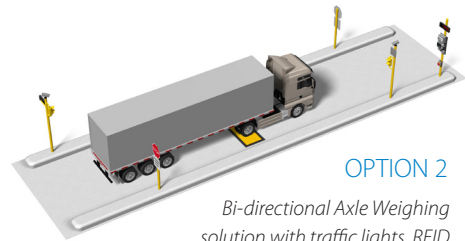
Agencies	CE IP69K (ZM510 indicator)
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CONFIGURATION OPTIONS



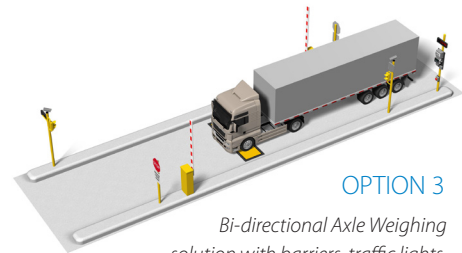
OPTION 1

Uni-directional Axle Weighing solution for manual entry/exit.



OPTION 2

Bi-directional Axle Weighing solution with traffic lights, RFID and ANPR technology.



OPTION 3

Bi-directional Axle Weighing solution with barriers, traffic lights, RFID and ANPR technology.

Avery Weigh-Tronix

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