**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**

<table>
<thead>
<tr>
<th><strong>GENERAL</strong></th>
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<tbody>
<tr>
<td><strong>Features</strong></td>
<td>High accuracy in-motion and static axle weighing system</td>
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<td>UK National and EC Type approved design with IP69K rated weight indicator</td>
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<td>Customer configurable tickets and reports</td>
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<td></td>
<td>Heavy duty and off-road designs</td>
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<tr>
<td><strong>Operating Speed</strong></td>
<td>0 to 5 km/h for optimum accuracy</td>
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<td><strong>Accuracy</strong></td>
<td>All systems supplied with a factory test certificate of accuracy traceable to National Standards</td>
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<td>Factory deadweight tested to 20,000 kgs</td>
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<td></td>
<td>± 5 kgs to 5,000 kgs end to end</td>
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<tr>
<td></td>
<td>± 10 kgs to 20,000 kgs</td>
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<td></td>
<td>On installation ± 0.5% of Gross Vehicle Weight (site dependent)</td>
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<td></td>
<td>In service ± 1% of Gross Vehicle Weight (site dependent)</td>
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<tr>
<td><strong>Overload Capacity</strong></td>
<td>150%</td>
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</table>
AXLE WEIGHING ZM510 APPLICATION  Technical Specification

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

DISPLAY

Display increment  10 kgs

Display
Programmable and highly connective, ZM510 display, analyzes, 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)

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.