



Heavy duty, high-sided weighbridge for harsh environments

*Technical Specification*

## DESCRIPTION

The Avery Weigh-Tronix J-Series weighbridge is a rugged weighing solution, designed to offer long lasting performance in harsh environments such as quarries and waste management sites.

The solid steel beams guide drivers onto the correct position on the bridge, maximising lorry protection. While a 12mm thick deck plate and additional internal steel work offer structural reinforcement to cope with heavy loads.

The J-Series is backed with an industry-leading 10 year warranty and supported by the Avery Weigh-Tronix Uptime Select™ service plans which guarantee up to 97% weighbridge uptime.

## FEATURES

- › **Designed for harsh environments:** The J-Series high-sided weighbridge has a strong and rugged design, enhanced by additional steel for durability in harsh waste and aggregate environments.
- › **Solid steel side beams:** Two high-sided steel beams run the length of the weighbridge to guide vehicles onto the deck, providing added safety for drivers and pedestrians around the weighbridge.
- › **60,000 kg load capacity:** Designed for heavy loads in notoriously harsh environments.

## SPECIFICATIONS

### GENERAL

<b>Environment</b>	<ul style="list-style-type: none"> <li>› Resistant to dirt and moisture</li> <li>› Consistent with suitable outdoor drainage conditions</li> <li>› Resistant to electrical disturbances</li> <li>› Complies with the requirements of EN 45501</li> <li>› Operating temperature range -20 °C to +50°C</li> </ul>
<b>Accuracy</b>	<p>All systems supplied with a factory test certificate of accuracy traceable to National Standards.</p> <ul style="list-style-type: none"> <li>› ± 10kg up to 50,000kg</li> <li>› ± 20kg up to 60,000kg</li> </ul>

### PHYSICAL

<b>Deck structure</b>	<ul style="list-style-type: none"> <li>› Modular construction comprising a single 15m or 18m module</li> <li>› 12.5mm thick Durbar top plate with skid resistant surface</li> <li>› Mild steel fabrication comprising two main raised longitudinal beam members and transverse joist members along the weighbridge length</li> <li>› Angled deflector plates between the side beams and the platform prevent the ingress of debris to the underside of the platform</li> </ul>
<b>Length</b>	<ul style="list-style-type: none"> <li>› 15 metre</li> <li>› 18 metre</li> </ul>
<b>Width</b>	<ul style="list-style-type: none"> <li>› Internal: 2.96 m</li> <li>› External: 3.5 m</li> </ul>

## SPECIFICATIONS

### PHYSICAL CONTINUED

<b>Road height</b>	› Standard deck surface heights of 316mm and 432mm above road
<b>Side beam height</b>	› 15m model: 678 mm › 18m model: 754 mm
<b>Weight</b>	› 15m model: 12.5t › 18m model: 15.5t
<b>Installation type</b>	› Surface mount
<b>Civils requirements</b>	› Concrete plinths to support weight sensor
<b>Ramp</b>	› Steel › Concrete with steel kerb end gap
<b>Paint specification</b>	› C3 (standard) › C4, C5, C5M (optional)

### WEIGHT SENSOR AND MOUNTING

<b>Weight sensor</b>	A choice of weight sensors are available to fit the application dependant on weighing performance, environment and connectivity requirements. All load cells are IP67 rated and provide 150% Emax safe overloading protection. › Double-ended shear beam load cell (standard) › T301/T302 (optional) › T301X Digital and T302X Analogue load cells (optional)
<b>Weight sensor mounting</b>	› Link suspension (standard) › Compression (optional)

### DISPLAY

<b>Display</b>	› Compatible with ZM305 and ZM510 indicators
<b>Display increment</b>	› 20kg (standard) › 10kg (optional)
<b>Keypad</b>	› Alphanumeric
<b>Power requirements</b>	› Input rating of 85-264VAC, 120-300mA › Frequency 47-440Hz 2A

### INPUT/OUTPUT

<b>Serial</b>	Three serial ports with Manual and Autoprint functions: › Comm 1 RC232 full duplex › Comm 2 RC232 full duplex › Comm 3 RC232 full duplex
<b>USB host</b>	Two USB Host ports for: › Printer › USB flash memory › Remote USB keyboard
<b>Ethernet</b>	The Ethernet port can be configured to support ten independent devices. It supports DHCP client/ server and Ethernet sockets and all the serial protocols. Fieldbus Ethernet IP and Modbus TCP.
<b>Options</b>	All of our weighbridge systems can be integrated with: › Control barriers › Traffic lights › RFID › CCTV cameras › Automatic number plate recognition › Remote weight displays › Weighman 8 weighbridge management software

### APPROVALS

<b>Factory product control certification</b>	› Certified to EN1090-1
<b>Instrumentation</b>	› Indicator and load cell dependent

# Avery Weigh-Tronix

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

*Avery Weigh-Tronix is an ITW company*



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