

AXLE WEIGHING



## Avery Weigh-Tronix



Avoid overloading, increase fuel economy,  
reduce wear and improve safety

# Vehicle Axle Weighing Systems

*Portable and fixed systems to ensure optimum vehicle loading*

# Axle Weighing Systems

**Avery Weigh-Tronix**

Axle weighing helps ensure that vehicles are safely loaded to their rated capacity and to avoid the many problems associated with imbalance and overloading. Common issues include increased fuel consumption and vehicle wear and tear, road damage, the risk of rollover, and an adverse effect on vehicle handling such as an increased stopping distance.

Government and Traffic Commissioners are putting a greater focus on identifying overloaded vehicles, with an increasing number of vehicles being stopped and checked. In addition the installation of secret road sensors on UK roads has given authorities a new tool with which to identify and target offenders. Weighing the axles of vehicles (LCVs & HGVs) before they leave your site ensures your business stays within the law while also maximising fleet efficiency and safety.

Whether you need a heavy duty weighing solution, the ability to weigh-in-motion, or a system that is fully portable, Avery Weigh-Tronix has an axle weighing solution to meet your requirements.

## Portable Axle Weighing

Portable scales vary from simple static weighing systems suitable for light vans and two-axle vehicles, through to heavy duty in-motion scales which make weighing multi-axle combinations a safe and simple procedure.

Ideal for managing fleet compliance through periodic audit, these systems can help to minimise over and under loading. Operators can choose between a straight forward display of wheel, gross vehicle and axle weight or a more comprehensive display that compares the weight recorded with those legally permitted by vehicle type.

Scales can be connected by cables to the display, or with the latest Bluetooth® RF technology, and can communicate data up to 40m to the console, allowing continuous operation in harsh environmental conditions.



PT300



### PORTABLE STATIC WEIGHERS

Most two-axle vehicles can be weighed successfully and economically using static scales. Lightweight yet sturdy, they can be set up, used and packed away by a single operator. The wireless devices are ideal for periodic audit checks and can be transported in a standard estate car or small van for use across multiple sites.

The PT300 is a portable, static axle weigher with an integral weight display. Ideal for checking both axle and gross vehicle weights, the PT300 can be moved and transported easily making it suitable for law enforcement, spot checking or auditing applications where users may need to carry scales with them.

The ability to couple together up to eight weigh pads provides additional versatility. Available in a wide range of sizes and capacities, these axle pads can also be used as scales for other non-vehicle applications.

### PORTABLE IN-MOTION WEIGHERS

When weighing long multi-axle vehicles, correct wheel positioning on static scales can prove difficult and time consuming. In-motion or dynamic weighing provides a fast and accurate portable weighing facility for vehicles of all sizes, weights and axle configurations.



*LS630 portable in-motion axle weighing system*

Avery Weigh-Tronix weighpads are low in profile, yet extremely durable, with a capacity of up to 30,000 kgs per axle. They come with a choice of cabled or cable free formats, enabling use when there is no AC power source present.

Avery Weigh-Tronix provides the ultimate answer for vehicle operators wanting to ensure they are operating within the law, with the capacity to store, analyse and report all vehicle weighments on a daily basis. Vehicle IDs can be stored and linked to each other, providing an ideal solution for ongoing fleet management. Summary reports can also be produced by date, vehicle ID, product, hauler, supplier and driver.

## Fixed axle weighing

Axle weighbridges, are designed to provide fast and accurate axle and gross weight information for all vehicle types from light vans to the heaviest multi-axle vehicles.

The Avery Weigh-Tronix fixed axle weighing solution is able to weigh any vehicle up to 40,000 kg per axle. The system is designed to be used either static or for weighing-in-motion and are available in heavy duty and off highway designs to suit your site conditions, vehicle types and vehicle capacities.

The axle weighing solution produces highly accurate results at speeds up to 5 km/h and communicates directly to a controlling PC via the ZM510 indicator, for data capture and processing. The system also provides data outputs to fulfill the requirements of most fleet management and client operating systems.



*Fixed axle weigher*



## Peripheral equipment

The fixed axle weighing system can be integrated with control barriers, traffic lights, signs, cameras, ANPR, RFID and remote displays to meet the most demanding applications.

## Why weigh axles?

### Safe Loading

The risks of overloading on gross vehicle weight are well-known, but in some instances the gross vehicle weight is not exceeded, but the load may still exceed the maximum permissible axle weight. Uneven loading of a vehicle makes it far harder to handle, putting undue pressure on tyres, steering and braking.

### Protect your Operators Licence

Avoid the risk of fines and prohibitions by ensuring that every vehicle leaving your site is accurately weighed and recorded.

### Maximise Fleet Efficiency

By maximising loads you can ensure that your vehicles are travelling with the optimum load. Maximise each trip while avoiding the risk of fines, prohibitions and added costs of increased fuel consumption, wear and

tear and undue stress on steering and brakes that can be caused by overloaded or unevenly loaded vehicles.

### Law Enforcement

Ideal for front line detection of overloaded vehicles, axle weighing provides fast, reliable weight information to protect roads from excess damage and dramatically improve road safety.

### Fleet Management

Axle weighing systems protect drivers and operators from the penalties of overloading and provide valuable management information.

### More online

- › Technical specifications
- › News and information



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

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