

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

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Axle weighing helps ensure that vehicles are properly loaded to their rated capacity and to avoid the many problems associated with overloading, from increased fuel consumption and vehicle wear and tear to road damage and an adverse effect on vehicle handling.

With an increase in the number of overloaded vehicles being stopped and checked, axle weighing 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 products 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 and minimising over and under loading, operators can choose between a straightforward display of wheel and axle weights or a full Law Enforcement console capable of comparing the weights found with those legally permitted in any country.

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 used wirelessly and are ideal for applications where portable equipment is required.

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.



Freeweigh

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.

Checklode Freeweigh 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.

Checklode Freeweigh provides the ultimate answer to law enforcement weighing, having 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, or fixed axle weighing systems, 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.

Our series of Supaweigh fixed axle weighing systems is available with legal-for-trade approval in selected geographies and is able to weigh any vehicle up to 40,000 kg per axle. Available in a range of models, these systems are designed to be used either static or for weighing-in-motion and are available in heavy duty and off highway designs to suit your application.

The Supaweigh system produces highly accurate results at speeds up to 15 km/h and communicates directly to a controlling PC or tolling software, for data capture and processing. The system also uses innovative software which is designed to fulfil the requirements of most tolling, fleet management and enforcement weighing applications.



Supaweigh



Peripheral equipment

The Supaweigh 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?

Fleet Management

Axle weighing systems protect drivers and operators from the penalties of overloading and provide valuable management information for stock control and security for all incoming and outgoing loads.

Law Enforcement

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

Toll Collection

Supaweigh's heavy duty construction enables it to be used for toll collection and to minimise road damage on high density traffic routes. Supaweigh can be integrated with dedicated tolling software to control toll fees, cash collection and operator duty.

Health and safety

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.

Maximise Fleet Efficiency

By maximising loads and avoiding under-loading, you can ensure that your vehicles are travelling with the optimum load. Maximise each trip while avoiding issues such as increased fuel consumption, wear and tear and undue stress on steering and brakes that can be caused by overloaded or unevenly loaded vehicles.

More online

- › Technical specifications
- › User manuals
- › News and information



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