

• Application Note •

Portable Wheel/Axle Scales for Vacuum Trucks

Avoid Overloaded Vac Trucks with Portable Truck Scales

One of the primary challenges associated with utility vacuum trucks is their susceptibility to weight fluctuations during operation. As these trucks perform tasks like debris suction and material transportation, their load capacity can vary significantly. Exceeding the legal weight limits compromises road safety, as it affects the vehicle's braking capabilities, stability, and maneuverability. Overloaded utility vac trucks pose a threat to both the operators and other road users, increasing the risk of accidents.

Intercomp's portable truck scales offer a practical solution to this weight-related dilemma. These scales are designed to be easily transported and can be set up at various locations, allowing utility vac truck operators to monitor their weight compliance on the go. Intercomp's portable truck scales utilize robust, proven strain gauge technology that actively compensates for temperature, resulting in fast, stable, and repeatable weighing.



The weight of utility vac trucks poses a significant concern, as exceeding specified limits can lead to safety hazards, road damage, and legal repercussions.



LP600™ low-profile truck scales are ideal for customers weighing heavy vehicles on unimproved surfaces.

Intercomp's [LP600™ low-profile truck scales](#) are trusted by heavy-haul operators and weight enforcement officials throughout the world to provide accurate and repeatable results. With a scale weigh pad that accommodates single, super-single, and dual tire axles, LP600™ portable truck scales provide a low-profile design for convenient vehicle approach and positioning. LP600™ scales can be bundled with roll-up ramps and levelers into the [LP600-15T™](#) portable roll-over axle scale system. They are ideal for customers weighing heavy vehicles on unimproved surfaces and can be transported in the trunk of a vehicle and set up by one or two people in under fifteen minutes.

[LS630-WIM™ Scale Systems](#) combine the timesaving qualities of Weigh-In-Motion with the convenience of portable scales. By collecting weights as trucks drive over the scale without stopping, portable WIM scales increase the efficiency and throughput of weighing operations. With an LS630-WIM™ portable scale solution, vac truck operators can easily verify individual axle/wheel and GVW for proper axle and gross load distribution, from both a compliance and safety standpoint.

Intercomp portable scales communicate with a variety of [remote indicators](#) via RFX® Wireless Weighing. These indicators can automatically total axle weights to determine GVW, while also providing the ability to save weight records or print weigh tickets.

The importance of adhering to weight restrictions extends beyond safety concerns. Legal repercussions for exceeding weight limits can result in hefty fines, damage to road infrastructure, and operational disruptions. Excessive weight contributes to higher fuel consumption, leading to increased carbon emissions and reduced fuel efficiency. By prioritizing weight compliance, companies can enhance safety, avoid legal consequences, and contribute to a more sustainable and responsible operation of utility vac trucks in various industries.

Intercomp®
advanced weighing technology . . . by any measure
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