

On-Board Weighing for the Refuse Industry

Front Loader Solutions

True Weigh-In Motion



vulcanscales.com



Load Cell Body Scale and Deflection Transducer Scale Solutions



Vulcan On-Board Scales is the leading manufacturer of on-board scales. Our on-board scales systems for refuse trucks use proven accurate technology to give you the precision and reliability you expect. The systems integrate seamlessly with most refuse vehicles and can be installed in the field within hours.

Increase Profits – Eliminate Overweight Fines

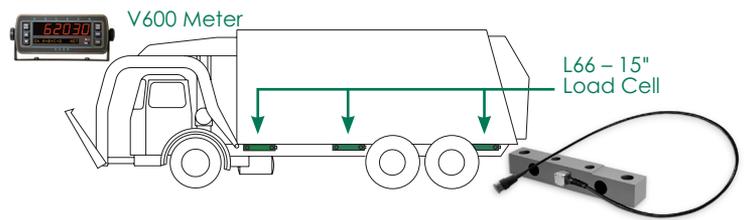
Maximize payload weight potential and avoid costly fines. Our on-board scales make it possible to load your truck to the maximum legal limit every time.

Reduce Maintenance Costs and Increase Vehicle Life

Properly loaded vehicles have lower maintenance costs for brakes, tires, suspensions and other related equipment.

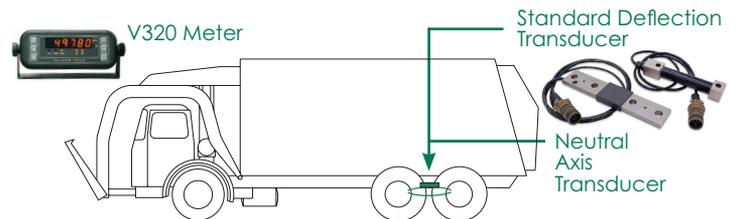
Increase Safety – Avoid Liability

Reduce required braking distance and improve tracking around corners by keeping weights within legal limits. Avoid liability when overweight vehicles involved in an accident.



Load Cell Body Scale Solutions

The Vulcan Body Scale System uses 15" Super-Beam™ side connector load cells for both tipping and fixed body refuse applications. Typically six load cells are used depending on your specific application. The V600 Meter displays gross vehicle, net payload and individual commercial pick-up weights. The V320 Meter is an option, depending on your specific requirements.



Deflection Transducer Scale Solutions

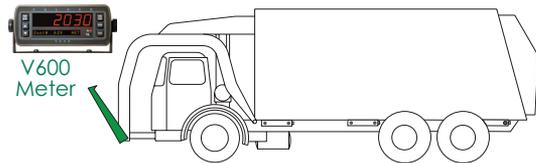
The Vulcan Deflection Transducer Scale System uses either the standard deflection transducer, the neutral axis transducer, or both for tipping and fixed body refuse applications. The deflection transducer system is based on gross vehicle weight and is a lower cost alternative for those applications needing to maximize the load while also helping to avoid the cost and liability issues due to overloading when the need for higher accuracy load cells are not required. We offer a variety of kits for different configurations, suspensions and axle group weights.

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Vulcan weight sensing fork scales are designed to replace existing truck forks or can be purchased with a scale-ready cross tube assembly. These rugged, yet lightweight fork scales have a negligible impact on the truck's overall weight. They are machined from a solid bar of high strength alloy steel, then finished and plated for corrosion protection.



Manual Front Fork Scale System

Bin weight is obtained by the driver pressing the A01 Control button when the bin is stopped in the "weighing zone." After two audible beeps confirming weight acquisition, the driver continues the lift, dumps the load then repeats the process to acquire the empty bin weight.

Available for 3", 3.5" and 4" cross tube installations.

Weigh-In-Motion / Static Front Fork Scale System

The Vulcan R-516 Series of front fork scale systems use the A04 Static Control Kit. The Weigh Zone is controlled by a proximity switch. The driver lifts the bin through the weigh zone where the weight is automatically acquired.

Available for 3", 3.5" and 4" cross tube installations.



H56 Cross Tube Assembly



Front Fork Scale

Scale-Ready Cross Tube Assemblies

Cross Tube Assemblies are scale-ready and eliminate the need to weld, saving eight to ten hours of installation time.

Available in the following cross tube assemblies:

- Heil 4.5" Scale-Ready Cross Tube
- McNeilus 3.5" Scale-Ready Cross Tube
- McNeilus 4" Scale-Ready Cross Tube



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