

Efficient In-Motion Weighing Solution

Maximize Throughput and Reduce Costs



Axle and Gross Weights

The AxlePass™ WIM scale captures axle weights and uses them to calculate a vehicle's gross weight. It provides an efficient way for operations that handle large volumes of traffic to verify container weights or ensure that vehicles comply with legal highway weight limits.



High Throughput

By weighing vehicles while they are in motion, a WIM scale maximizes a weighing operation's throughput. It processes vehicles quickly, eliminating delays and reducing traffic congestion at busy sites.



Low Cost

With a much smaller footprint than full-length scales, a WIM scale has a lower initial cost and lower ongoing maintenance costs. By eliminating unnecessary stopping and starting, in-motion weighing also reduces fuel consumption and vehicle maintenance costs.



Proven Durability

With a robust steel frame and checking system, the VWS410 scale platform is built to last. Using our "Module Masher" life-cycle test stand, we have proven the scale's ability to handle the equivalent of 2.5 million axles at above the legal axle limit.

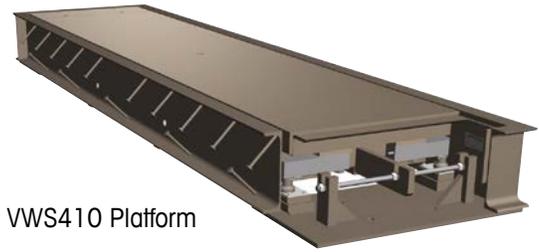


AxlePass™ WIM Scale

Weigh more vehicles in less time with an AxlePass™ weigh-in-motion (WIM) scale. This economical solution captures axle and gross weights of vehicles moving at speeds of up to 15 miles per hour (25 kilometers per hour). By eliminating the need to stop each vehicle, an AxlePass™ scale weighs the same number of vehicles as five static scales, in a fraction of the time and at a fraction of the cost. AxlePass™ can deliver in-motion weighing accuracy within 1.0% of the true weight. Accuracy is correlated to vehicle speed; it decreases as speed increases.

Specifications

Model	VWS410
Scale Type	Axle-load scale
Capacity	20 tons x 20 lb (20 metric tons x 10 kg)
Deck Thickness	1/2 inch (12.7 mm)
Platform Length x Width	2.5 x 12 feet (0.76 x 3.65 meters)
Frame Length x Width x Depth	3.03 x 12.53 x 1.06 feet (0.92 x 3.82 x 0.32 meters)
Foundation	Pit
Concrete Approach	10 feet (3 meters) before and after scale
Total Approach	60 feet (18 meters) before and after scale
Load Cells	Four 0743 shear-beam load cells
Scale Terminal	IND570 LS
Data	Gross weight, axle weight, axle group weight, speed
Data Output	CSV
Communication	Ethernet or RS-232
Life-Cycle Testing	2.5 million cycles
W&M Approval	NTEP 2000d Class III static scale
Assembled Deck Weight	2,300 lb (1,050 kg)
Total Shipping Weight	3,400 lb (1,550 kg)



VWS410 Platform



IND9US with IND570 LS Terminal

AxlePass WIM Scale



Vehicle Speed	Up to 15 mph (25 km/hr)
Weighing Time	Less than 1 minute per vehicle
Dynamic Accuracy	Up to 1.0%
Versatility	Dynamic or static weighing
Processing	Automated vehicle processing



Configure remote displays to show axle weights and gross weight. Use built-in traffic lights to display green for compliant weights and red for overweight.

Produced in a facility that is



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www.mt.com/wim

For more information