• Application Note •

LS-WIM®
Weigh-In-Motion Scales

LS-WIM System Reduced Traffic Backups at South American Market

Capturing weight data can be an effective means of tracking inventory and product movement but measuring vehicle weights while controlling traffic in a high-volume setting is a difficult task. It is important to find a balance between a thorough check and restricting traffic. In a market setting with heavy traffic, Weigh-In-Motion has proven to be an efficient way to track inventory and ensure delivery of an expected amount of product, while minimizing constraints to the flow of traffic.

In-ground LS-WIM® Weigh-In-Motion Scale Systems are an ideal alternative to older static truck scales that require drivers to stop on the scales. Intercomp's LS-WIM® scales increase overall efficiency, are far more economical and will even provide individual axle weights along with total gross weights.

Managers of a South American market needed a solution to weigh incoming trucks without slowing the flow of traffic through the gate. Traditional means of measuring truck weights, like full-size truck scales and portable scales, had several disadvantages including the amount of space needed, and the number of properly trained employees required to operate the scales and record weights. The biggest inconvenience shared by both methods was that the vehicle being weighed had to come to a complete stop, leading to backups, inefficiencies and errors.

When the market's managers contacted local scale dealer *Exim Tecnologías de Precisión* to find a solution, they were introduced to Intercomp's LS-WIM® Axle Scale System. The low-speed Weigh-In-Motion system weighs each axle as vehicles drive over a weighbridge that is 13 feet by 29.5 inches (4 m x 749 mm). Trucks can run over the scale at 5-10 mph while recording accurate axle weights. The axle weights are then totalized, providing a vehicle's GVW while incoming traffic keeps moving. The small footprint of these scales allows them to be installed in a matter of days, keeping downtime to a minimum. They are also far less expensive to purchase and install than traditional truck scales.

Once Intercomp's LS-WIM® System was installed, the market's managers noticed several improvements. The rate at which trucks could enter the market during a given time period increased dramatically. At the same time, customer interactions, and relationships, improved as inventory accuracy rose. Market employees were able to establish clear expectations with customers because they knew what products were in stock, which ones were not and when additional product would be available.

The LS-WIM® Weigh-In-Motion Axle Scale system uses a weighbridge that is just over 13 square feet.

The low-speed Weigh-In-Motion system weighs each axle as vehicles drive over a weighbridge at speeds of 5-10 mph.

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