Front End Loader Weigh-in-Motion Scales  
No Waiting!

A Front-End Loader Weigh-in-Motion Scale is completely automatic. No need for the driver to have to press buttons or take any action to obtain a weight reading – and there’s No Waiting...

...Let the Driver Drive™ while LoadMan® manages the route and data.

LoadMan® On-Board Scales & Systems provides all the information needed to understand the status of the FEL on-board weighing system. For example, the in-cab computer automatically provides instruction displays during the weigh-in-motion process:

<table>
<thead>
<tr>
<th>READY TO WEIGH</th>
<th>DUMP LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHING LOAD</td>
<td>WEIGHING TARE</td>
</tr>
<tr>
<td>GROSS WEIGHT</td>
<td>NET WEIGHT</td>
</tr>
</tbody>
</table>

The container load weights are measured and reported to the operator as a net load weight. Also, the dumped load weights are accumulated with the weight of the existing material in the vehicle – providing the driver a running total of the net vehicle weight or the gross vehicle weight.

This application not only supports in-motion weighing of the net contents dumped into the truck, but also records each measured load with optional route, account and GPS data.

The LoadMan Fork Based Weigh-In-Motion system consists of three digital electronic components:
- An onboard In-Cab Touch Touch Screen Computer for displaying weight (LM400 Touch), route and system information.
- A computer based Arm Weigh-In-Motion Assembly that is mounted in a steel protective enclosure on the lift arm (ARM Box).
- A Fork Weigh-In-Motion Assembly mounted in a steel protective enclosure on the front fork assembly (FORK Box).

A fork weigh-in-motion assembly (FORK Box) converts the sensitive analog data signals from the two fork loadcells to digital, using a precision digital to analog encoder called a CanCoder®. It also measures the fork angular position and acceleration, converts the
information to digital, and transmits the data to the arm weigh-in-motion assembly.

The arm weigh-in-motion assembly also contains an angle sensor (ARM Box); so the weighing system not only knows the position and acceleration of the forks, but also the angular position and acceleration of the lift arm at all times.

**Load Data Management, Analysis and Reporting Software**

LoadMan’s Load Management Software (operating in the back office) allows remote tracking of trucks, drivers, customers, routes and products by account or job. Route lists are created with the software and downloaded to the LoadMan in-cab computer. Any recorded load data and/or GPS position data in LoadMan’s data collection memory will be automatically transferred to the Load Management Software - without any prompting or intervention from the driver.

...Let the Driver Drive™ while LoadMan manages the route and data.

About LoadMan

LoadMan’s weighing solutions are developed in partnership with the industry’s leading OEMs like McNeilus, Freightliner, Heil, Wayne Engineering, Scranton Manufacturing, Labrie and Curotto. Loadman is committed to continuous innovation that delivers competitive advantage to its customer base.

The support staffs at LoadMan are always available to support you — in all 50 states of the U.S. and on five continents — for installation, training, calibration and service.

Content provided by

![Loadman Logo]

For more information call
425-235-4335 office
dox 425-272-4377
e-mail contact@loadman.com
or visit www.loadman.com