**AXLE SURANCE**

**SLOW SPEED IN-MOTION VEHICLE WEIGHING SYSTEM**

**Specifications**

<table>
<thead>
<tr>
<th>System components</th>
<th></th>
<th>50,000 lbs (25 tons, 22,680 kg) on 80,000 lb (36,287 kg) load cells</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td>50,000 lbs (25 tons, 22,680 kg) per axle</td>
</tr>
<tr>
<td>Display resolution</td>
<td></td>
<td>0.1 m/V to 3.0 m/V</td>
</tr>
<tr>
<td>Dynamic accuracy</td>
<td></td>
<td>Meets NTEP Class III, maintenance tolerance on average (with full-length concrete approaches)</td>
</tr>
<tr>
<td>Static accuracy</td>
<td></td>
<td>Meets Handbook 44 Class III, acceptance tolerance</td>
</tr>
<tr>
<td>Operating speeds</td>
<td></td>
<td>Structurally certified for “in road use” at 40 mph (64 km/h) up to 50,000 lbs (25 tons, 22,680 kg), recommended speed 2-3 mph (5 km/h), speed error above 7 mph (11 km/h)</td>
</tr>
<tr>
<td>Static overload</td>
<td></td>
<td>±20% of full scale (±2.0mV/V)</td>
</tr>
<tr>
<td>Precheck vehicle weights</td>
<td></td>
<td>Precheck vehicle weights for highway travel and ensure load balance with Fairbanks AxleSurance. This economical scale system is ideal for any operation concerned with highway safety, vehicle rollover prevention, or inventory reporting.</td>
</tr>
</tbody>
</table>
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**SLOW SPEED IN-MOTION VEHICLE WEIGHING SYSTEM**

**Ideal for agribusiness, dairy and aggregate operations.**

- Save Time & Money • Eliminate Overload Risk • Improve Inventory Reporting

**AxleSurance** is an easy-to-install and easy-to-use slow-speed axle weighing system that reduces install time, requires less real estate, and speeds weighing operations, when compared to traditional static truck scales. It is specifically designed as a more affordable option for vehicle weighing customers who do not have the space or need for a traditional full-size truck scale.

While not commercially approved, the AxleSurance system meets NTEP standards and is a worthy investment for safety-conscious customers who want to ensure that their company trucks are not at risk for highway overload or load imbalance. It is also ideal for customers who simply want to better manage inventory.

The AxleSurance system provides axle and gross truck weights that can be displayed, printed and saved for easy record keeping and reporting. AxleSurance is offered by Fairbanks as a complete vehicle weighing system that contains all the primary components needed for slow-speed, in-motion checkweighing, including software customized for farm, aggregate or base (other) applications.

AxleSurance works best at a consistent speed of 3 mph and will calculate, display and capture individual axle weights as a truck rolls over the weighbridge. The system sums the weights and prints both individual and gross weight results on each ticket. Tare weights can be prestored into a database or recorded with an in/out operation.

**AxleSurance Vehicle Weighing Advantages**

1. **Precast Weighing Module**
   - Lower cost vehicle weighing solution.
   - Requires less real estate and is easy to install.
   - Certified Patterson lifting points on the platform and weighbridge.
   - Entire scale is semi-portable and can be moved from site to site.
   - Durable 5000 psi precast platform structure.

2. **Accuracy and Performance**
   - Better than 0.5% accuracy (on average) with proper use and installation.
   - Efficiently track profits and inventory movement to improve ROI.
   - Capture individual axle weights and gross vehicle weight before entering public roads.

3. **Installation**
   - One day installation using certified scale technicians.
   - Precast unit can be set in place with a backhoe or a small crane.
   - A minimum 12” bed of compacted flat and level CA6 crushed limestone provides lasting support for the module.

4. **Service**
   - Calibration is performed by a certified scale technician as part of turnkey installation service.
   - Concrete approaches are recommended for maximum scale accuracy and can be poured during installation.

**AxleSurance Information Management Software**

AxleSurance software is available in three formats: Farm, Aggregate and Base. The preferred software format is chosen during startup procedures. Each format offers full customization. With prestored tares, customers can ID and weigh trucks via a one-pass system. If tare weights need to be established, two passes are required. Axle weights, truck ID, and other variables are captured, printed for the driver, and stored as a CSV file for future analysis/import into the customer’s ERP system.

**What is included in a Fully-loaded AxleSurance Package?**

The package includes all the primary components of the AxleSurance System shown at right, plus all required data cables. (AxleSurance primary components are also sold separately and other module sizes are available for custom configurations.)

**Installation Recommendations: AxleSurance In-Motion Weighing System**

- Max 0.5%
- 10’ (3m)
- Optimal speed 3 MPH (5km/h)
- Minimum approach = Length of truck

**11’ Precast Scale Module**

- Outdoor Console with integral Instrument, Printer, Traffic Lights
- Remote Display
- Remote Key FOB
- Truck ID System
- Information Management
- Software (Reporting)

**1’ Precast Weighing Module**

- Scale accuracy
- Performance
- Installation
- Service

**Installation**

- Minimum approach = Length of truck
- Gravel
- Concrete

**Customer Benefits**

- Reduced installation time
- Requires less real estate
- Speeds weighing operations
- Captures axle and gross weights
- Easy to install and use

**Product Highlights**

- Lower cost vehicle weighing solution
- Semi-portable and easy to install
- Certified Patterson lifting points
- Durable 5000 psi precast platform structure

**Operation**

- Consistent speed of 3 mph
- Calculates, displays and captures individual axle weights
- Sums weights and prints results
- Tare weights prestored or recorded

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**Installation Recommendations: AxleSurance In-Motion Weighing System**

- **Gravel approach:** Minimum approach = Length of truck + 10' (3m)
- **Concrete approach:** Minimum approach = Length of truck

**AxleSurance Vehicle Weighing Advantages**

1. **Precast Weighing Module**
   - Lower cost vehicle weighing solution.
   - Requires less real estate and is easy to install.
   - Certified Patterson lifting points on the platform and weighbridge.
   - Entire scale is semi-portable and can be moved from site to site.
   - Durable 500 psi precast platform structure.

2. **Accuracy and Performance**
   - Better than 0.5% accuracy (on average) with proper use and installation.
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Specifications:

- System components
- Operating speeds
- Dynamic accuracy
- Display resolution

Data cables
- Capacity
- Dynamic accuracy
- Static accuracy
- Operating speeds
- Static overload

Precheck vehicle weights for highway travel and ensure load balance with Fairbanks AxleSurance. This economical scale system is ideal for any operation concerned with highway safety, vehicle rollover prevention, or inventory reporting.

Your Fairbanks Scales Authorized Representative is:

Call toll-free for the representative nearest you:

(800) 461–4107

Call between 8:00 a.m. – 5:00 p.m. Central Time
Corporate Offices: 821 Locust • Kansas City, MO 64106 • (816) 471–0231
Internet Address: http://www.Fairbanks.com

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