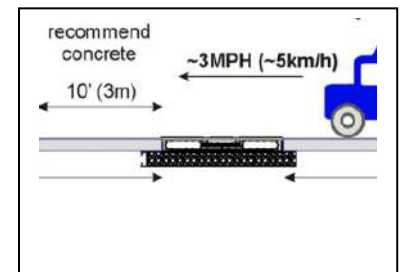


# In-Motion Truck Scales

## Distributor Reference Guide



Important note:  
Fairbanks product information located at the **Nexus** platform are updated more frequently and are the best source for current product information.

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The prices and product information in this catalog are for reference only.  
Please check the Fairbanks Nexus online catalog system for the most up to date information.



# AxleSurance In-Motion Truck Scale Weigh System

<b>AxleSurance</b>	<b>Slow Speed In-Motion Vehicle Weighing (Pit)</b>
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The AxleSurance Weigh System is an easy-to-install and easy-to-use slow-speed axle scale system that reduces install time, real estate, and operation time. The scale arrives precast and ready to set in place and a simple backhoe can both prepare the install site and be used to set the scale in place.

The AxleSurance Weigh System provides a lower price option for those customers that need to check-weigh their loads but don't have the space or need for a full-size truck scale. It is not a legal-for-trade scale but proves a worthy investment for customers who want to better manage inventory and reduce their overload risks.

The AxleSurance Weigh System provides axle and gross truck weights that can be displayed, printed, and saved for easy record keeping. The unattended console provides a self-contained control unit that drivers can operate entirely independently and allow the transaction records to be saved and transmitted as CSV files for incorporating into the customer's ERP systems.

The AxleSurance Weigh System works best at slow, consistent speed (~3mph) and will calculate, display, and capture each individual axle as it rolls over the scale. It then sums the weights and prints individual axle and gross weights on the tickets. Tare weights can be prestored into the database or recorded with an in/out operation.

### Included in a Fully Loaded AxleSurance Package

The package includes all the primary components of the AxleSurance System below, plus all the required data cables. (The primary components are also sold separately.)

- Precast Scale Module
- Outdoor Console with integral Instrument, Pilar & Traffic Lights
- Remote Display
- Remote Key FOB Truck ID System
- Information Management Software (Reporting)

See the Nexus system for complete information



### **AxleSurance Vehicle Weighing System Advantages**

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|---|---|
| <ol style="list-style-type: none"> <li>1. Precast Weighing Module             <ol style="list-style-type: none"> <li>a. Lower cost vehicle weighing solution.</li> <li>b. Requires less real estate and is easy to install.</li> <li>c. Certified Patterson lifting points on the platform and weighbridge.</li> <li>d. Entire scale is semi-portable and can be moved from site to site.</li> <li>e. Durable 5000 psi precast platform structure.</li> </ol> </li> <li>2. Accuracy and Performance             <ol style="list-style-type: none"> <li>a. Better than 0.5% accuracy (on average) with proper use and installation.</li> <li>b. Efficiently track profits and inventory movement to improve ROI.</li> <li>c. Capture individual axle weights and gross vehicle weight before entering public roads</li> </ol> </li> <li>3. Installation             <ol style="list-style-type: none"> <li>a. One day installation using certified scale technicians.</li> <li>b. Precast unit can be set in place with a backhoe or a small crane.</li> <li>c. A minimum 12" bed of compacted flat and level CA6 crushed limestone provides lasting support for the module</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>4. Service             <ol style="list-style-type: none"> <li>a. Calibration is performed by a certified scale technician as part of turnkey installation service.</li> <li>b. Concrete approaches are recommended for maximum scale accuracy and can be poured during installation.</li> </ol> </li> <li>5. AxleSurance Information Management Software             <ol style="list-style-type: none"> <li>a. 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.</li> </ol> </li> </ol> |
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Specifications	
<b>Capacity</b>	50,000 lbs (25 tons) per scale
<b>Display Resolution</b>	20 lbs (10 kg)
<b>Dynamic Accuracy</b>	Meets NTEP Class III maintenance tolerance with full-length concrete approaches
<b>Static Accuracy</b>	Meets Handbook 44 Class III acceptance tolerance
<b>Operating Speed</b>	Recommended 2 to 3 mph: Speed Error above 7 mpg
<b>Zero Cancellation</b>	± 20% of full scale
<b>Span Adjustment</b>	0.1 mV/V to 3.0 mV/V
<b>A/D Type</b>	24 bit $\Sigma \Delta$ with ± 8,388,608 internal counts
<b>Load Cells</b>	4 x 22,000 lbs. folded shear beam load cells
<b>Operating Temperature</b>	Ambient 5°F to 140°F (-15°C to +60°C)
<b>Power Requirements</b>	100 to 130 VAC or 200 to 260 VAC, 50/60Hz
<b>Serial Output</b>	Serial 1A: RS232 serial port for remote display, network or printer supports; Serial 1B: RS485 transmit only for remote displays



### AxleSurance Weigh System

Product #	Description	Weight	NET Price
177888	AxleSurance 12' Wide Platform with Outdoor Console Package • Package includes 12' weighbridge, remote display with 4" LED characters, unattended outdoor console with printer and instrument, data cables for accessories, information management software, remote truck ID antenna system, grounding kit and load cells	14300 lbs	\$36,791.00
177889	AxleSurance 12' Wide Platform with Indoor Instrumentation Package • Package includes 12' weighbridge, remote display with 4" LED characters, indoor instrument with printer, data cables for accessories, information management software, remote truck ID antenna system, grounding kit and load cells	14300 lbs	\$35,210.00

<p>To order AxleSurance System:</p> <ul style="list-style-type: none"> <li>• Select one (1) package item number and</li> <li>• One (1) Homerun cable (<a href="#">Quick-Disconnect Cables</a>) with sufficient length to run from scale to the outdoor console</li> <li>• Order Remote Display Pole Mount Kits as needed from Heavy Capacity catalog</li> </ul>	<p>Price Does Not Include:</p> <ul style="list-style-type: none"> <li>• Master Homerun Cable</li> <li>• Shipping</li> <li>• Installation</li> </ul> <p>For individual components and accessories, see:</p> <ul style="list-style-type: none"> <li>• <a href="#">AxleSurance Accessories</a></li> <li>• <a href="#">AxleSurance Instruments</a></li> <li>• <a href="#">AxleSurance Weighbridges</a></li> </ul>
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## AxleSurance Quick-Disconnect Data Cables

Product #	Description	Weight	List Price
165671	3'2" HOMERUN CABLE-AXLESURANCE	1 lbs	\$42.00
167672	9'8" HOMERUN CABLE-AXLESURANCE	1 lbs	\$49.00
164647	98' HOMERUN CABLE-AXLESURANCE	1 lbs	\$57.00
165674	29' HOMERUN CABLE-AXLESURANCE	1 lbs	\$76.00
164644	49' HOMERUN CABLE-AXLESURANCE	2 lbs	\$93.00
164786	98' HOMERUN CABLE-AXLESURANCE	3 lbs	\$205.00

## AxleSurance Weigh System Individual Options

### Precast Weigh Bridge

Product #	Description	Weight	List Price
165696	AxleSurance Precast Weighbridge 11' Unit (8'5" W x 12' L x 11.5" T)	14,200	
166009	AxleSurance Precast Weighbridge 12' Unit (8'5" W x 13' L x 13.5" T)	16,500	

Notes: • Requires Instrument from the list below. • Requires Instrument-to-Weighbridge cable.

### Indoor / Outdoor Consoles and Instruments

Product #	Description	Weight	List Price
164641	UNTND CONSOLE W/LIGHTS&PRINTER	26 lbs	\$5,579.00
165662	UNTND CONSOLE W/PRINTER NO LTS	26 lbs	\$5,421.00
165663	UNTND CONSOLE W/LIGHTS NO PNTR	26 lbs	\$5,188.00
165664	BASIC CONSOLE NO LIGHTS/PRNTR	25 lbs	\$5,031.00
165665	SLAVE INDOOR INSTRUMENT	8 lbs	\$2,144.00
165666	INDOOR INSTRUMENT (STANDALONE)	8 lbs	\$2,993.00

Notes: • Requires Instrument-to-Weighbridge cable. • Outdoor consoles come in 15" x 17" x 8" housing. • Indoor instruments measure 10" x 5.5" x 5"

### Remote Display

Product #	Description	Weight	List Price
165694	AxleSurance Remote Display - 4" tall LED with 2.5" Red/Green Traffic Lights (PN 167672 - 3m cable included)	16 lbs	\$1,747.00

