

# FAIRBANKS<sup>®</sup>

## S C A L E S



# TITAN

## ABOVEGROUND STEEL DECK TRUCK SCALES

Maximum strength, performance and accuracy with standard deck widths up to 14' to accommodate oversized vehicles.

# A

100k rocker column load cell is standard Titan feature.

**25 YEAR  
LOAD CELL  
WARRANTY\***



Load cell features a "true" hermetic seal at cable entry to prevent moisture intrusion.

NTEP Certified to widths of 14 feet!

**FAIRBANKS**  
SCALES  
MADE IN THE USA SINCE 1830

## Titan Truck Scale Specifications

LENGTH	FULL SCALE CAPACITY	MODULES	LOAD CELLS	CLC
27	75 tons	1	4	120 k
30	75 tons	1	4	120 k
35	75 tons	1	4	120 k
60	125 tons	2	6	120 k
70	125 tons	2	6	120 k
80	150 tons	3	8	120 k
90	150 tons	3	8	120 k
105	150 tons	3	8	120 k



Open bottom design creates natural module ventilation and prevents moisture intrusion.



Sectional controllers optically isolate load cells, providing the best available surge and lightning protection.

\*Contact your Fairbanks Representative for warranty details.



## Designed to standards above and beyond the competition's

In head-to-head comparisons, the Titan ranks number one in gross weight capacity, load cell capacity, deck plate thickness, I-beam construction, CLC rating and sheer steel weight. The Titan Series Steel Deck truck scale is constructed with multiple 12" and 16" structural steel I-beams. These massive I-beams, coupled with the thickest available deck plate, produce an extremely ridged weighbridge that resists dimpling or rolling due to extreme or redundant loading. The deflection standards for the Titan exceed AAR and ASHTO specifications for federal bridge construction.

### Unique standard features:

- Intalogix® Technology
- 3/8" deck plate thickness
- Encapsulated circuit boards
- Incredible steel weight — 70' by 10' Titan scale has more than 33,000 pounds of steel in the modules alone
- Stainless steel sheathing on all load cell cabling
- Load cell features "true" hermetic seal
- Fast, easy load cell access
- Open bottom design

### Top Performance:

- Up to 150-ton gross capacity
- 100,000 lb capacity load cells
- 120 k CLC
- Deflection less than 1/1600 under legal highway loads
- NTEP certified to widths of 14 feet. NTEP CC #96-089



### Applications:

- |                  |                       |
|------------------|-----------------------|
| Asphalt plants   | Landfills             |
| Aggregate yards  | Recycling facilities  |
| Coal mines       | Ports of entry        |
| Concrete plants  | Timber mills          |
| Dairy farms      | Transfer stations     |
| Farmer's markets | Freight carriers      |
| Grain plants     | Most high-volume apps |

### Titan Portable Vehicle Scales

Available in sizes specifically for mobile operations, the Titan Series Portable Vehicle Scales are made for easy assembly and removal. The



Titan PV has all the features of the Titan Series Truck Scales, plus the ability to be removed from its sub-frame and installed in a permanent foundation.

This feature makes the Titan PV ideal for use in emergency situations, such as when an old scale fails, but weighing operations must continue on schedule.



Scale industry's only encapsulated circuit board. Material used is tried and tested in chemical applications.



Intalogix® Technology guards your scale against power surges and lightning strikes.

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## ABOVEGROUND STEEL DECK TRUCK SCALES

Weighing Solutions for the World Since 1830

Fairbanks.com

### SPECIFICATIONS

Capacities . . . . .	75 ton to 150 ton
CLC . . . . .	120 k
Platform sizes	
Lengths . . . . .	27' 30', 35', 60', 70', 80', 90' and 105' standard Custom lengths available
Widths . . . . .	10', 11', 12' and 14' standard
Minimum division size . . . . .	10 lbs
Sections . . . . .	2 to 4
Modules . . . . .	1 to 3
Module data:	
Design . . . . .	Orthotropic
Construction . . . . .	USA structural steel
Under structure . . . . .	Open bottom
Deck plate thickness . . . . .	3/8"
Cover plates . . . . .	No
Checking . . . . .	Bumper
Approvals . . . . .	NTEP CC# 96-089, MC# AM-4949
Load cell:	
Height . . . . .	6.0"
Load cell material . . . . .	Stainless steel, 17-4 PH (1.4548)
Load cell capacity . . . . .	100,000 lbs
Overload capacity . . . . .	300%
Rating . . . . .	IP69K (NEMA 6P)
Rated output (=RO) . . . . .	2 ± 0.1% mV/V
Excitation voltage . . . . .	5...15 V
Zero balance . . . . .	≤ ± 5% RO
Input resistance . . . . .	1,150 ± 50 Ω
Output resistance . . . . .	1,000 ± 2 Ω
Insulation resistance . . . . .	≥ 5,000 MΩ
Ultimate load . . . . .	300 %E <sub>max</sub>
Load cell resistance . . . . .	1,000 ohms
Load cell output . . . . .	2.0 mV/V
Load cell cable . . . . .	15' with stainless steel sheathing
Sealing . . . . .	Complete hermetic sealing, cable entry sealed with glass-to-metal header
Approval . . . . .	NTEP CC #97-078

### ACCESSORIES

Scale Instruments



Traffic Signals



Custom software



Remote Displays



Ticket printers



Driver Assist Terminals



### OPTIONS

- Blow-down plates
- Custom sizes
- Deck runners
- Dress plates
- Drop plates
- Dump through deck
- Coal Tar undercoating
- Guide post kits
- Intrinsically safe electronics
- Load cell riser plates
- Manholes (square)
- Rub rails

Your Fairbanks Scales Authorized Representative is:

Call toll-free for the representative nearest you:

**(800) 451-4107**

Call between 8:00 a.m. – 5:00 p.m. Central Time

Corporate Headquarters: 6800 W. 64th Street, Overland Park, Kansas 66202

(816) 471-0231 Internet Address: <http://www.Fairbanks.com>

