

# TITAN

The new heavyweight champion

- **MAXIMUM CAPACITY**
- **MAXIMUM PERFOR-**

**Above Ground, Steel Deck Truck Scales**



**Best Built Truck Scales on Earth!**



**INTALOGIX**  
TECHNOLOGY

Visit our world...[fairbanks.com](http://fairbanks.com)

**Industry's new HEAVYWEIGHT CHAMPION...  
TITAN TRUCK SCALES!**



# TITAN

The new heavyweight champion

## Ultimate Aboveground, Steel Deck Truck Scales

**W**hat sets Fairbanks' Titan Steel Deck Truck Scales apart from the competition? Just about everything.

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.

### Unique Features (Standard on every Titan)

- Intalogix Technology.
- 3/8" Deck Plate thickness.
- Open Bottom design.
- Encapsulated circuit boards.
- Incredible Steel Weight — 70' by 10' Titan Scale has 33,000 lbs of steel in the modules alone.
- Stainless Steel sheathing on all load cell cabling.
- Load Cell has "true" hermetic seal.
- Fast, easy load cell access.

### Top Performance

- Up to 300,000 lb Gross Capacity.
- 100,000 lb capacity Load Cells.
- 100,000 lb CLC/DTAC.
- Deflection less than 1/1600 under legal highway loads.
- NTEP certified to widths of 14 feet. Certificate of Conformance #96-089A3.

### Best Value

- More standard features than competing models.
- Backed by available 5-year warranty.

Innovative Rocker Column load cell design prevents weighing errors caused by off-center loading and eliminates the need for grout pockets.

- **100K Capacity**
- **Hermetically sealed**
- **Stainless steel**

## LOAD CELL Rock Solid Features

(Standard on every Titan Load Cell)

Load cells are electrochemically polished to eliminate the corrosive effects of harsh, wet environments.

100K Capacity is the industry's ultimate in load cell performance with 300% overload protection.

Stainless Steel Sheathing offers Load Cell cable protection from rodent damage and natural wear and tear.

A true Hermetic Seal makes the Titan Load Cell impervious to moisture intrusion. NEMA 6P (IP68) rating



COC #97-078



Glass to Metal Header for "true" hermetic seal at cable entry area.

#### LOAD CELL SPECIFICATIONS

Height	..... 6"
Capacity	..... 100K
Resistance	..... 1000 Ohms
Output	..... 2mV/V
Cable Length	..... 15 feet
Combined Error (FSO)	..... <=0.02%
Zero Balance (FSO)	..... 1.0%
Excitation	..... 5 to 15 VDC

# Maximum

# Capacity

Designed to standards above and beyond the competition's

The Titan Steel Deck is constructed from 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.

## Titan Series 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. See details below on how you can eliminate downtime through Fairbanks' "PV on the Spot" Program.

### Applications:

- Asphalt plants
- Aggregate yards
- Coal mines
- Concrete plants
- Dairy farms
- Farmer's markets
- Grain plants
- Landfills
- Ports of Entry
- Timber Mills
- Transfer stations
- Freight carriers
- ... and most high volume applications!

100K Rocker Column Load Cell; standard Titan feature.



Industry's only PCB circuit boards used, tried and tested in military and aerospace



## Titan "PV on the Spot"

It's time to replace your wornout scale, but you can't afford the cost. Fairbanks' "PV on the Spot" Program is a solution you can afford. The way it works is simple. Fairbanks installs your Titan Series scale at a temporary location while your old scale is removed and the new one is modified or constructed to permanently house the new scale. Operations continue on schedule with minimal loss time, you save money on a rental scale and your weighing accuracy is enhanced by Titan's unbeatable performance.

# ty & Performance!



Compare our 3/8" deck plate to competing scales — ours is the thickest in the industry!

NTEP Certified to widths of 14 feet!



Low profile Rub Rail prohibits damage to truck tires and lug nuts.



Sectional controller optically isolates load cells, providing best surge and lightning protection available.



The Titan is constructed with massive 16" and 12" structural steel I-beams.

encapsulated  
using materials  
in chemical  
applications.

## TITAN TRUCK SCALE SPECIFICATIONS

LENGTH	FULL SCALE CAPACITY	MODULES	LOAD CELLS	CLC/DTAC
30	150,000 lbs	1	4	100,000 lbs
35	150,000 lbs	1	4	100,000 lbs
60	250,000 lbs	2	6	100,000 lbs
70	250,000 lbs	2	6	100,000 lbs
80	300,000 lbs	3	8	100,000 lbs
90	300,000 lbs	3	8	100,000 lbs
105	300,000 lbs	3	8	100,000 lbs

downtime?  
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es PV scale in  
foundation

don't waste  
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# INTALOGIX<sup>®</sup>

TECHNOLOGY

## Your Titan is protected from the unexpected!

Intalogix is the most advanced  
load cell protection...ever.

**W**hen it comes to lightning strikes or electrical surges, Fairbanks has your Titan covered with the power of our exclusive load cell protection technology — Intalogix. You never need to worry about electrical damage because Intalogix is on the job, 24-hours a day, seven days a week, monitoring your system to instantly detect and alert your operators to any deviation in performance. Relax, and let the power of Intalogix do the worrying for you.



## Smart Open Bottom Design...

The natural way  
to keep your scale dry  
and prevent corrosion.

**FAIRBANKS**  
S C A L E S MADE IN THE USA SINCE 1830



**F**airbanks has been building, testing and monitoring the scales we sell for 175 years. Our R&D engineering teams are constantly exploring new design and manufacturing processes as part of our ongoing product improvement policy. The continual research has led Fairbanks to its current "Open Bottom" design. Some manufacturers still use a "Sandwich" design, with top and bottom plates that form a chamber or enclosed area where moisture easily collects. This design is compromised by the inherent moisture intrusion and internal corrosion problems not found in the Titan.

Shown in the table below are common sense reasons that Fairbanks utilizes the Open Bottom design in the Titan Steel Deck Truck Scale.

TITAN OPEN BOTTOM DESIGN	ENCLOSED (SEALED) DESIGN
Does not allow moisture to be trapped.	Does not allow moisture to escape.
Natural module ventilation.	No ventilation whatsoever.
Eliminates need for watertight seals.	Watertight seals will eventually break.
Allows for easy module inspection.	Enclosed areas impossible to inspect.
Entire module is protected with paint.	Enclosed areas cannot be painted.

# TITAN Above Ground, Steel Deck Truck Scales

The new heavyweight champion



## TITAN SPECIFICATIONS

Deck Dimensions . . . . . Lengths: 27', 30', 35', 60',  
70', 80', 90', 105'  
Widths: 10', 11', 12', 14'

CLC/DTAC . . . . . 100K

Gross Capacities . . . . . 150K to 300K

Sections . . . . . 2 to 4

Modules . . . . . 1 to 3

Module Data:

- Module Design . . . . . Orthotropic
- Module Construction . . . . . USA Structural Steel
- Module Under Structure . . . . . Open Bottom

Deck Plate Thickness . . . . . 3/8"

Options . . . . . Deck runners, Rub Rails,  
Drop Plates, Blow Down  
Plates, 120K CLC, 150K  
Load Cells, 300K Gross  
Capacity, Custom Sizes

Accessories . . . . . Weight Indicators, Report  
& Ticket Printers,  
Unattended Automated  
Systems, Custom  
Software, Traffic Signals,  
Remote Displays

Approval . . . . . NTEP COC #96-089A3

## TITAN ACCESSORIES:



**Remote Terminal**  
Features keypad  
display, printer  
and bar code card  
reader. Also in  
stainless steel.



**Standard  
Traffic light**  
Omnidirectional  
light also available.



**Remote Weight  
Display**  
Available in  
numeric sizes  
of 1.5" and 5.5".

## TITAN OPTIONS:

**Rub Rails** help guide trucks on  
and off the Titan scale. Low profile  
design prohibits damage to truck  
tires and lug nuts.



**Deck Runners** protect the tire path  
of your scale's deck plate. This  
added protection is a favorite  
option for applications that involve  
abrasive materials such as sand,  
limestone and gravel.

**Leasing** Discover the benefits  
of our truck scale  
leasing program. Just ask your  
local Fairbanks representative  
about **Fairlease**.

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. CST

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