

FAIRBANKS®

TITAN SERIES PORTABLE VEHICLE SCALES



Designed to the highest standards in the industry, Fairbanks' Titan Series Portable Vehicle Scale outperforms all contenders across the board.

BUILT TO PERFORM, ENGINEERED TO LAST

The Titan Series is constructed with multiple 12" and 16" structural steel I-beams. These massive supports, coupled with the thickest standard deck plate on the market (3/8"), produce an extremely rigid and durable weighbridge.

EXCEPTIONAL WEIGHBRIDGE FEATURES

- Up to 150-ton capacity. • 3/8" deck plate thickness. • 120 k CLC.
- Deflection less than 1/1600 under legal highway loads.
- Incredible steel weight — the 70' x 10' Titan PV weighs 42,500 lbs.

ADVANTAGES OF FAIRBANKS OPEN BOTTOM DESIGN

Its ability to naturally ventilate moisture is one of the many design advantages the Titan Series PV Scales have over competing scale brands. Check out all the Titan PV advantages below.



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	Has areas that cannot be painted

EXCEPTIONAL LOAD CELL FEATURES

- 100,000 lb capacity and 300% overload protection.
- Rocker column design eliminates weighing errors caused by off-center loading, as well as the need for groud pockets.
- Electrochemically polished stainless steel canister eliminates corrosive effects of harsh, wet environments.
- Impervious to moisture intrusion - hermetic seal, IP69K rating.

SPECIFICATIONS

Capacities	75 ton to 150 ton
CLC	120 k
Platform sizes	
Lengths	35', 60', 70', 80',
Width	10'
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
Options	Deck runners, rub rails, drop plates, custom sizes, blow down plates
Accessories	Instruments, report and ticket printers, driver assist terminals, custom software, traffic signals, remote displays
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 _{max}
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-meta header
Approval	NTEP CC# 97-078

QuickFacts™

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