

FAIRBANKS[®]

S C A L E S



MATRIX

CONFIGURABLE TRUCK WEIGHING SYSTEM

New cost-saving scale concept for ultra low-profile, commercially approved vehicle weighing.

Fairbanks.com

MATRIX

Configurable Truck Weighing System

Configurable
Accurate
Innovative



Build a Matrix your way. Matrix steel platforms are 10 feet wide and come in standard lengths of 7, 10, 14, 17 and 20 feet. Configuring multiple platforms with variable length, steel-framed concrete dead span modules allows the system to be customized to fit a broad range of loading scenarios.

Build a custom Matrix scale in SIX EASY STEPS

#1



Select axle weighing platforms based on application truck sizes.

#2



Add custom length, concrete, dead spans.

#3



Select approaches (if required at your location).

#4



Add an approach ramp and exit ramp.

#5



Protect your scale with snow/debris covers.

#6



Select accessories, such as a Fairbanks scale instrument or driver assist terminal.



Special Features

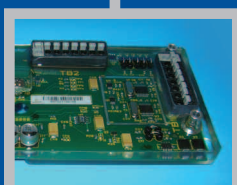
Cost Saving Design

The Matrix is a new configurable truck weighing system that reduces cost by utilizing steel scale platforms only under each set of truck scale axles, and incorporating concrete modules (dead spans) between the scale platforms.

The Matrix is designed for installation on a level, unyielding surface, thereby eliminating cost associated with building a traditional foundation or pit.



Optional sectional controllers optically isolate load cells, providing the greatest lightning and surge protection available.

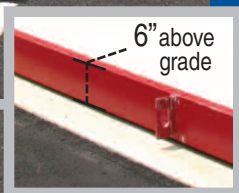


Encapsulated circuit boards are impervious to moisture. Encapsulating material has been used in critical aerospace applications.



INTALOGIX
TECHNOLOGY

This innovative design feature digitizes your signal and guards your scale investment against power surges and electrical strikes.



Low 6" profile allows for easy access to the Matrix.



A load cell access panel is located at all four corners of each weighing platform.



Placing truck axles on Matrix weighing platforms is made easy for drivers by highly visible (yellow) scale frames.

Load Cell Data

Capacity	50,000 lbs
Type	3.5" rocker column
Resistance	1,000 ohms
Output	2.0 mV/V
Material	Stainless steel, 17-4 PH
Protection	IP69K, true hermetic seal
Approvals	NTEP CC # 97-078, Factory Mutual

Discover Matrix Advantages

Matrix versus full-length above-ground scale

Typical 70 foot aboveground scale

Requires full-length foundation
Requires 140 feet of real estate for installation
Captures gross weight
Requires new foundation to relocate
Can weigh vehicles 70 feet in length or less
Requires permits for foundation construction
Typically installed 14" to 18" above grade

70 foot MATRIX Truck Scale

Simply requires a level, unyielding surface for installation
Can require as little as 100 feet of real estate
Captures gross weight and individual axle weights
Requires only a level, unyielding surface to relocate
Can be configured to weigh almost any vehicle
Requires no foundation construction
Ultra-low 6" profile

MATRIX

CONFIGURABLE TRUCK WEIGHING SYSTEM

Weighing Solutions for the World Since 1830

Fairbanks.com

SPECIFICATIONS

Capacities	45 ton to 60 ton
CLC	60 k or 80 k
Platform sizes	
Lengths	7', 10', 14', 17', and 20' configurable with dead span modules to achieve desired weighing system length
Widths	10' standard
Minimum division size	10 lbs
Sections	2 to 16

Weighing module data:

Design	Orthotropic, open bottom
Construction	Structural steel
Foundation type	Requires flat unyielding surface
Checking	Bumper
Approvals	NTEP CC# 07-069, MC# AM-4949

Dead span module data:

Construction	Composite concrete
Frame	Structural steel and Nelson studs
Required fabrication	Field pour concrete

Load cell:

Height	3.5"
Capacity	50,000 lbs
Type	Rocker column
Sealing	Welded, hermetically sealed, gas filled
Material	Stainless steel, 17-4 PH
Rating	IP69K
Resistance	1,000 ohms
Output	2.0 mV/V
Excitation	5 to 15 VDC
Ultimate overload	300%
Cable length	15'
Cable protection	Stainless steel braid ArmourGuard
Approvals	NTEP CC# 97-078, Factory Mutual

ACCESSORIES

Scale Instruments



Traffic Signals



Custom software



Remote Displays



Ticket printers



Driver Assist Terminals



OPTIONS

Custom sizes
Deck runners
Dolly plates
Intrinsically safe electronics
Ramps

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>

