

FAIRBANKS®

RODAN® RC FIELD POUR SERIES TRUCK SCALES



**Factory
Mutual
System**
Approved
Load Cells

Fairbanks' Field Pour truck scales feature a rugged, full-depth, concrete deck, reinforced with structural steel I-beams.



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Fairbanks' Rodan RC Field Pour Series truck scales feature light-weight, easy-to-install modules that, once filled with concrete, offer the most durable line of truck scales available.

ENCASED I-BEAM MODULAR DESIGN

The Field Pour truck scale modules are made of structural steel I-beams. When concrete is poured into the modules, a rigid deck is produced at your scale installation site. (The structural components used by Fairbanks are not fabricated or bent from steel plates because such components have undue stresses that can weaken the structure or cause premature failure.) Prior to encasing with concrete, the scale's



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I-beams are coated with epoxy primer for additional protection against premature corrosion. Once filled with concrete, the sealed, structural steel I-beams are shielded from any moisture intrusion that may induce corrosion, thus minimizing the environmental effects and ensuring a long scale life.

COST EFFICIENT INSTALLATION AND EASE OF MAINTENANCE

The above ground foundation of the Rodan RC Field Pour Series truck scales requires less preliminary installation work due to its advanced modular design, saving both valuable time and money. With the elimination of any cast-in-concrete anchor bolts and grout

pockets for load cells, the foundation is as simple as pouring the piers, then forming and pouring the approaches. An additional benefit of the above ground foundation is the minimal time required for preventative maintenance. All checking hardware is easily accessible and adjustable from the top side, at the ends of the scale. Because of its intelligent load cell design, Field Pour repairs require minimal effort. Elevate the panel about 1.5", tilt the load cell and remove. In the long run, quick maintenance

means less down time and greater savings.

THE HEAVY DUTY FIELD POUR

Our Heavy Duty line of truck scales is designed to withstand the highest volume weighing applications in any industry. To ensure this, Fairbanks limits weigh bridge deflection to a maximum of 1/900th the span at the DTAC.

THE INDUSTRIAL DUTY FIELD POUR

The Rodan Industrial Duty line of Field Pour truck scales are designed and manufactured to the highest standards in the industry. This scale is the perfect solution for an application of up to 150 standard truck weightings per day. See specification table for optimal scale usage for a maximum scale life.

SIDE-BY-SIDE



The side-by-side Rodan RC Field Pour truck scale is capable of weighing heavy, off-road vehicles like the TEREX 3308.

OFF-ROAD VEHICLE SCALES

Fairbanks now offers an NTEP approved, heavy duty, off-road vehicle scale for those extra wide or extra heavy weighing applications. The side-

by-side scale can be sized to fit nearly all off-road vehicle weighing applications. With a 400,000 lb. capacity, the Rodan side-by-side can weigh most off road vehicles, including a Euclid R40, a Caterpillar 773 and a TEREX 3308.

INTALOGIX® TECHNOLOGY

Fairbanks exclusive Intalogix Technology is a standard feature on the Rodan RC Field Pour Series. This state-of-the-art digital technology offers you unparalleled lightning protection, superior diagnostic capabilities and enhanced precision. In addition, Intalogix Technology allows the operator to view the output of load cells as though they were individual scales — all at the same time. Each section of the scale is polled 16 times per second and visually displayed to show real time load cell counts. Quick analysis via modem can diagnose problems, confirm scale accuracies and identify future problems. Intalogix Technology will allow you to reach a new level of weighing accuracy and change the way you service your scale.



Fairbanks' stainless steel, rocker column load cells allow the Rodan RC Field Pour Series truck scales to absorb shocks and jolts caused by trucks on the platform, so results are never compromised.

SUPERIOR LOAD CELL DESIGN

Fairbanks' patented, stainless steel, hermetically sealed, rocker column load cell allows the Rodan RC Field Pour Series truck scales to absorb the shocks and jolts caused by trucks moving on and off the scale, therefore never compromising accuracy! The electrochemically polished stainless



FAIRBANKS TRUCK SCALE PARTS ARE TOP OF THE LINE

Fairbanks truck scales are made to perform and made to last. That's why we are committed to maintaining state-of-the-art manufacturing processes. Our latest addition (above) is a Computerized Numerically Controlled Vertical Machining Center. Our equipment enables our machinists to produce precision parts with tolerances as tight as +/- .0001".

steel construction helps to eliminate the corrosive effects often found in harsh, wet environments. By hermetically sealing the sensing section and the cable entry to the NEMA 6P (IP68) standard, the load cell design ensures extended life and minimal down time. Also, to reduce chances of system failure, the load cell cable that connects directly to the sectional controller, is only 15 feet long. The cable is protected with a stainless steel, braided sheath that eliminates problems associated with gnawing rodents, RFI/EMI interference or potential abrasions when pulling through conduit or cable runs.

FAIRBANKS' DIGITAL INSTRUMENTS WITH FLASH TECHNOLOGY

When combining the Rodan RC Field Pour Series Truck Scales with Fairbanks' 2500 Flash Series Instruments with Intalogix Technology, all your applications are covered. So, whether it's filling, load out, in/out weighing, networking or even using a custom program, you can do it all with just one instrument. The flash memory capabilities of the 2500 Series

allows you to easily change your application by simply "flashing" in a new application. This can be done either by telephone modem or on-site. As your needs change so can your instrument, without making any hardware changes to your existing system.

FIELD POUR OPTIONS

The Rodan RC Field Pour Series truck scales are available in axle, full length and highway system configurations. Also available are pit access, manholes and rub rails to help guide trucks onto the scale. Custom lengths and widths are available to accommodate special vehicles or for existing foundations.



Fairbanks' 2500 Instrument features Intalogix Technology which offers unsurpassed lightning protection to all of your scales' electrical components.

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RODAN® RC FIELD POUR SERIES TRUCK SCALES

SPECIFICATIONS:	60K INDUSTRIAL DUTY	80K INDUSTRIAL DUTY	60K HEAVY DUTY	80K HEAVY DUTY
Platform Sizes	10' x 100' to 11' x 100'	10' x 100' to 12' x 100'	10' x 100' to 11' x 100'	10' x 100' to 12' x 100'
DTAC/CLC	60K	80K	60K	80K
Number of Structural I-beams	7 (five 6" & two 10")	7 (five 6" & two 12")	8 (six 6" and two 10")	10 (eight 8" & two 14")
Deflection	1/700	1/700	1/900	1/900
Usage (Weighments per day at rated Dual Tandem Axle Capacity)	300 @ 60% DTAC 150 @ 80% DTAC 50 @ 100% DTAC	300 @ 60% DTAC 150 @ 80% DTAC 50 @ 100% DTAC	600 @ 60% DTAC 300 @ 80% DTAC 100 @ 100% DTAC	600 @ 60% DTAC 300 @ 80% DTAC 100 @ 100% DTAC
Load cell capacity	30t (66K)	30t (66K)	30t (66K)	50t (110K)
Concrete deck thickness	10"	12"	10"	6"
Foundation type	Above ground only	Above ground and pit	Above ground and pit	Above ground and pit
Factory options	Rub rails	Rub rails, Manholes	Rub rails, Manholes	Rub rails, Manholes

GENERAL SPECIFICATIONS:

(60K and 80K industrial duty and heavy duty models)

Capacities	30 ton to 100 ton
Sections	2 to 7
Modules	1 to 5
Module Data:	
Module design	Composite steel and concrete
Module construction	Structural steel I-beams with field poured concrete
NTEP COC #	96-089
Load Cell Data:	
Load cell type	Rocker column
Load cell protection	Stainless steel, hermetically sealed
Load cell resistance	1,000 ohms
Load cell output	2.00 mV/V
Load cell cable length	15'
Load cell cable protection	Stainless steel sheathing
Load cell approvals	NTEP COC# 97-078, Factory Mutual Approved

TRUCK SCALE ACCESSORIES:



Remote terminal with keypad display, printer and bar code card reader. Also available in stainless steel.



Remote weight display available in numeric sizes of 1.5", 4" and 6".



Standard Traffic light. Omni-directional traffic light also available.

Your Fairbanks Scales Authorized Representative is:

Call your representative :

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St. Johnsbury manufacturing facility registered in compliance with ISO 9002.

