

Dynamic In-Motion
Axle Weighing

mineWEIGH 
rinstrum smart weighing

Patent Number: 9470574



IN-MOTION VEHICLE SCALE

Rinstrum's mineWEIGHr is a fast, accurate and economical way to monitor commodities that are coming into or leaving your facilities. Drive over the scale while moving a constant 2-3 mph. The scale will automatically weigh each axle and print a receipt with individual axle weights and the total. If you store the trucks ID and tare weight, or use 2 pass weighing, the controller will calculate the Gross, Tare and Net values.

1 Pre-cast Platform Structure

- Install on a minimum of 2-4' of compacted flat and level CA6 crushed limestone.
- NOTE: Requirements are based on your soil condition
- Concrete approaches increase accuracy and reduce maintenance and cleaning
- Entire scale is semi-portable and can easily be moved from site to site
- Deep Pit version available for muddy conditions

4 Accuracy and Performance

- Better than 1% repeatability on average with proper use and installation
- Efficiently track profits and inventory movement without stopping on the scale
- Fastest return on investment system to obtain individual axle weights and gross vehicle weight
- Custom software available for your specific requirement

3 Service

- No specialty tools or knowledge required to install or maintain scale
- Patented weighbridge removal process allows for easy cleaning and service
- Sloped floor and 4" drain keep scale clean and dry

2 Installation

- Durable 5000 psi pre-cast platform structure
- Certified Patterson lifting points on both pre-cast platform and weighbridge
- Installation time is less than 8 hours (2 men) on average install precast platform from beginning to end

Electronics Accessories



Indoor Unit



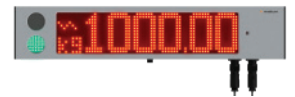
Outdoor Unit



Information Management Software



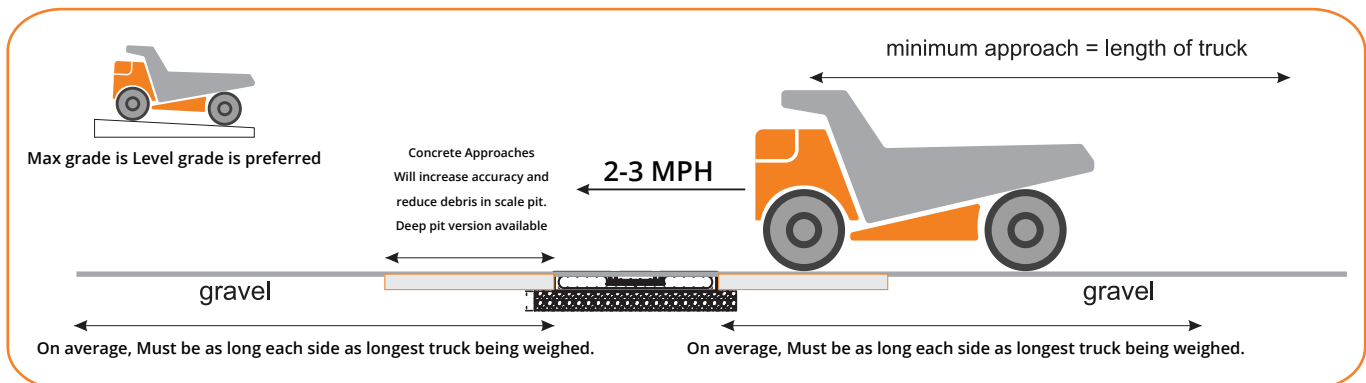
Truck Clicker system



D841 remote with built in traffic lights

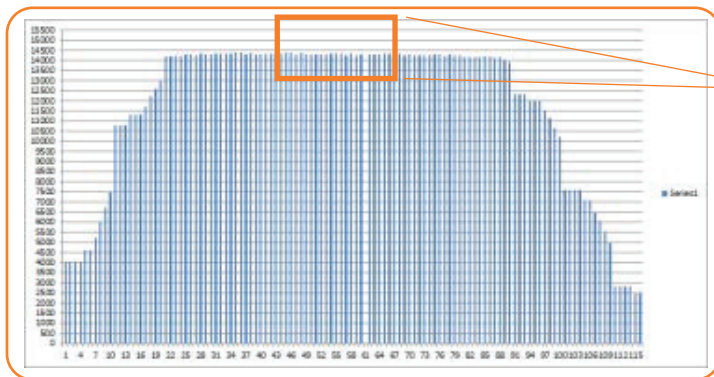
****Ethernet, M12 connected, RS232/485**

Installation Recommendations



Accurate

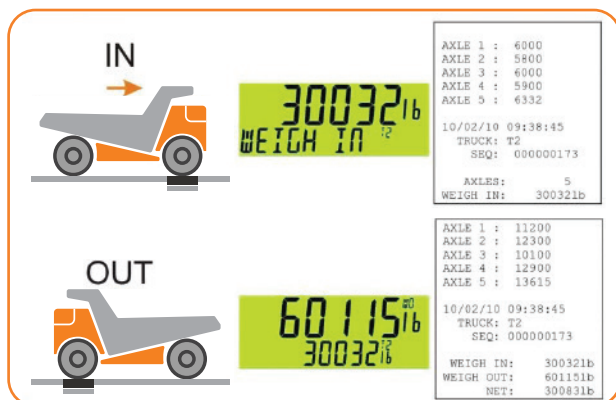
On average better than $\pm 1\%$ repeatability can be expected depending on truck style and capacity. Company testing as well as extensive field trials have shown that with extended flat and level concrete approaches $\pm 1\%$ or better average repeatability can be achieved. Individual results may vary. Repeatability is dependent on site and equipment.



Weighing samples are captured at 100 times per second and then averaged within the offset window.



Operation



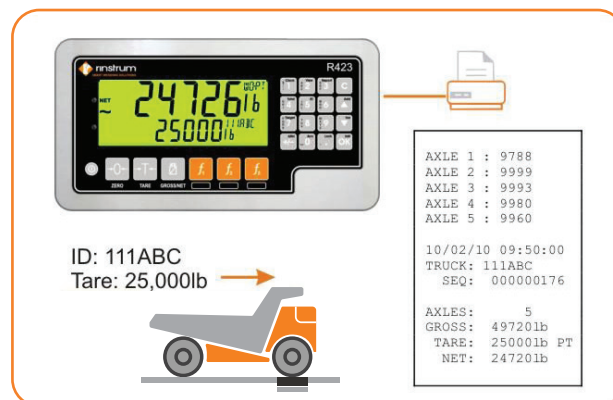
Two Pass Weighing – Weigh In and Weigh Out

INBOUND

Press the TRUCK key, select Truck ID then OK, or press Clicker
Drive over the scale

OUTBOUND

Press the TRUCK key, select Truck ID then OK, or press Clicker
Drive over the scale



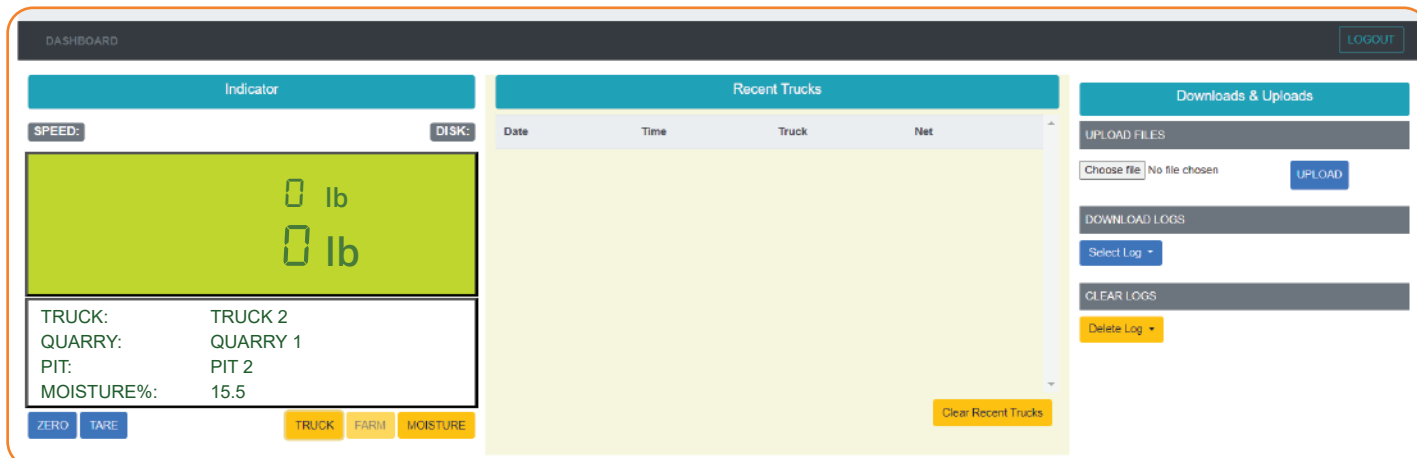
Single Pass Weighing With Known Tare Weight

Press the TRUCK Key

Enter Truck ID to recall a stored Tare Weight then OK or press Clicker
Drive over the scale

Web Page

- Remote access to yield data
- Change truck and field data via web page



SPECIFICATIONS

	Regular Model	HD Model
Capacity	250,000 lbs (110 tonnes) maximum per axle	500,000 lbs (220 tonnes) maximum per axle
Display Resolution	20 lbs (10kg)	50 lbs (23 kg)
Operating Speeds	Recommended speed 2-3 mph (5 km/h) Speed error above 5 mph	
Overload	150% (for 50 tonnes load cells)	
Scale		
Precast Scale Module	Dimensions: 19' x 9'6" x 2' (5.8 m x 2.9 m x 0.6 m)	Custom Dimensions
Scale Weighbridge	Dimensions: 17' x 4' x 14" (5.2 m x 1.2 m x 0.36 m)	Custom Dimensions
Load Cell Assembly	Outboard, In-tension cradle assembly, self-contained	
Load Cells	4 x 110,000 lbs (50 tonnes)	4 x 220,000 lbs (100 tonnes)
	Rocker compression/tension load cells Stainless steel, Hermetically sealed, IP69 Ingress protection, M12 Watertight connectors	

Deep pit version available for muddy conditions



Southern IL Scale & Construction Inc
430 W South Ave Noble,
Illinois 62868

Phone: 1(800)441-1794
Email: sales@southernilscale.com

www.southernilscale.com



Contact Us