

**mineWEIGH**  
instrument smart weighing



## 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.

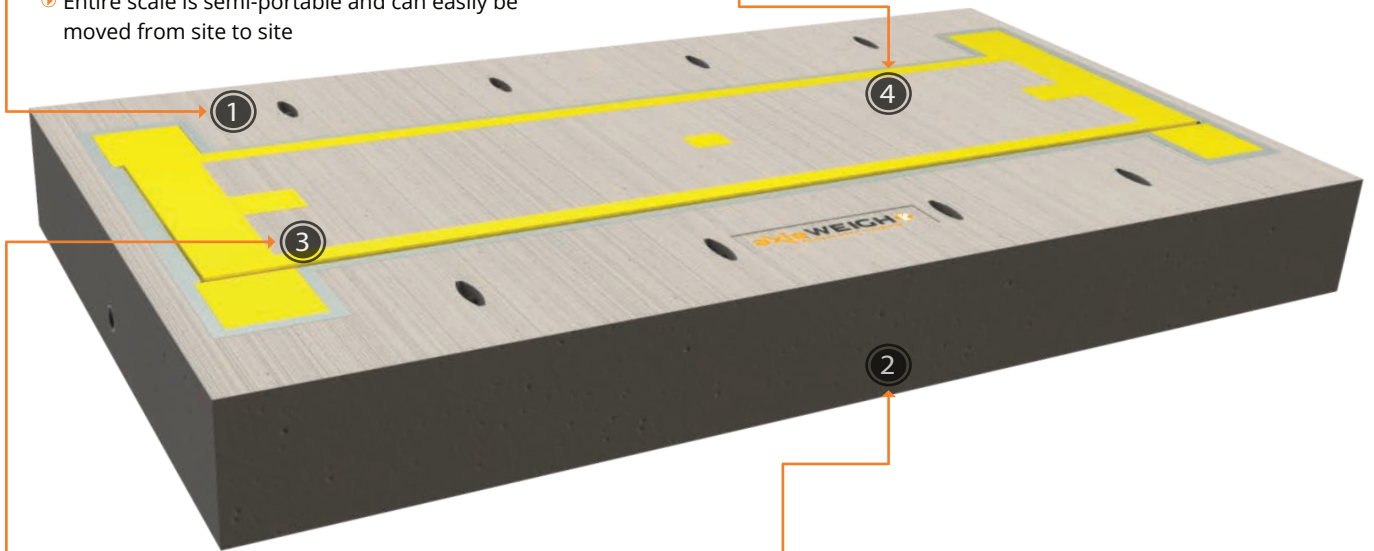
Drive over the scale while moving a constant 2-3 mph. The scale will automatically weigh each axle and print a receipt with individual axle weights and the total. If you store the trucks ID and tare weight, or use 2 pass weighing, the controller will calculate the Gross, Tare and Net values.

### 1 Pre-cast Platform Structure

- Install on a minimum of 2' of compacted flat and level CA6 crushed limestone.  
NOTE: 2' up to 4' is required for certain soils to maintain a solid base.
- Concrete approaches increase accuracy and reduce maintenance and cleaning
- Entire scale is semi-portable and can easily be moved from site to site

### 4 Accuracy and Performance

- Better than 0.5% 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



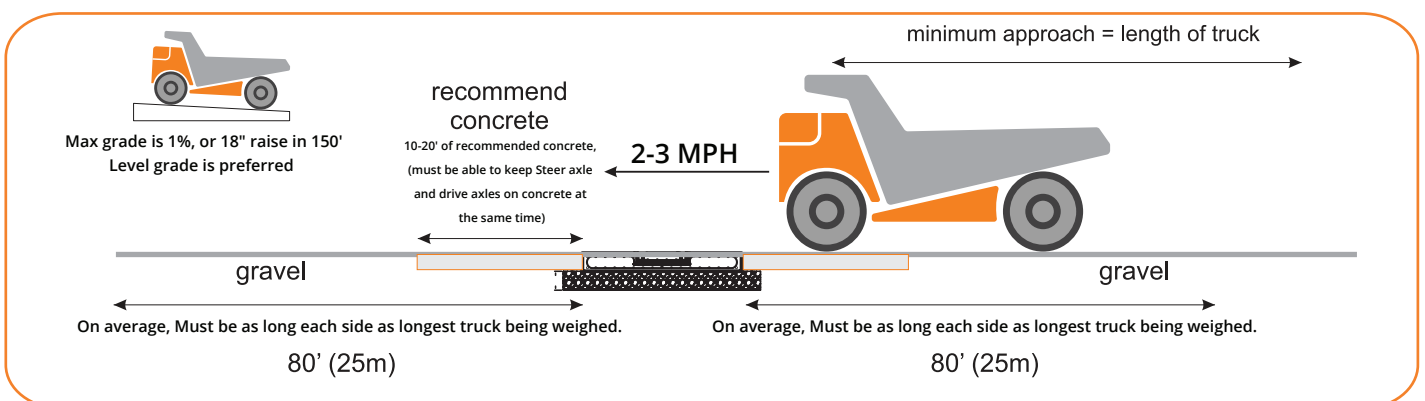
### 3 Service

- 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

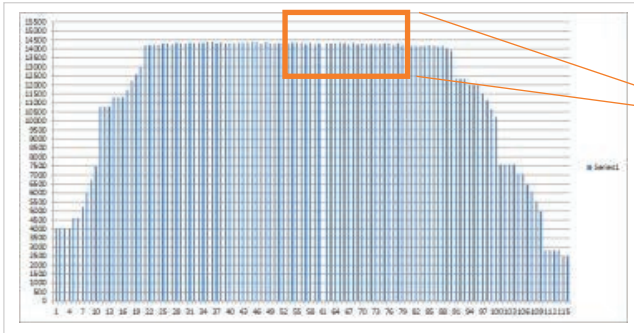
- Durable 5000 psi pre-cast platform structure
- Certified Patterson lifting points on both pre-cast platform and weighbridge
- Installation time is less than 8 hours (2 men) on average install precast platform from beginning to end

## Installation Recommendations



## Accurate

On average better than  $\pm 0.5\%$  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  $\pm 0.5\%$  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

IN

30032<sup>lb</sup>

WEIGH IN

AXLE 1 :	6000
AXLE 2 :	5800
AXLE 3 :	6000
AXLE 4 :	5900
AXLE 5 :	6332

10/02/10 09:38:45  
TRUCK: T2  
SEQ: 000000173

AXLES: 5  
WEIGH IN: 30032lb

OUT

60115<sup>lb</sup>

30032<sup>lb</sup>

AXLE 1 :	11200
AXLE 2 :	12300
AXLE 3 :	10100
AXLE 4 :	12900
AXLE 5 :	13615

10/02/10 09:38:45  
TRUCK: T2  
SEQ: 000000173

WEIGH IN: 30032lb  
WEIGH OUT: 60115lb  
NET: 30083lb

AXLE 1 :	9788
AXLE 2 :	9999
AXLE 3 :	9993
AXLE 4 :	9980
AXLE 5 :	9960

10/02/10 09:50:00  
TRUCK: 111ABC  
SEQ: 000000176

AXLES: 5  
GROSS: 49720lb  
TARE: 25000lb PT  
NET: 24720lb

ID: 111ABC  
Tare: 25,000lb

### 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



## SPECIFICATIONS

<b>Capacity</b>	250,000 lbs (110 tonnes) maximum per axle
<b>Display Resolution</b>	20 lbs (10kg)
<b>Operating Speeds</b>	Structurally Certified for "in road use" at 20 mph up to 225,000 lbs (100 tonnes) Recommended speed 2-3 mph (5 km/h) Speed error above 7 mph
<b>Overload</b>	150% (for 50 tonnes load cells)
<b>Scale</b>	
<b>Precast Scale Module</b>	Dimensions: 19' x 9'6" x 2' (5.8 m x 2.9 m x 0.6 m) Weight: 53,000 lbs (24 tonnes)
<b>Scale Weighbridge</b>	Dimensions: 17' x 4' x 14" (5.2 m x 1.2 m x 0.36 m)
<b>Load Cell Assembly</b>	Outboard, In-tension cradle assembly, self-contained
<b>Load Cells</b>	4 x 110,000 lbs (50 tonnes) Rocker compression/tension load cells. Stainless steel, Hermitically sealed, IP69 Ingress protection, M12 Watertight connectors



Authorized  
Distributor

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