

Right Weigh

Load Scales

Product Catalog
USA



Onboard Load Scales for
Air Suspension Tractors and Trailers

The Right Weigh brand of onboard load scales is one of the most popular choices for the trucking industry today. Our scales offer reliable on-the-ground axle weights displayed in actual pounds (**NOT psi**), allowing the user to determine a loaded weight for each axle group without having to guess their weight based on a psi value. With clear analog or digital readings and easy-to-use features, Right Weigh load scales are simple to install, calibrate, and use effectively.

Right Weigh offers load scales in several categories depending on where you would like to view and monitor each axle group. In addition, we offer load scales to monitor drive axle and trailer axle air suspensions in the following configurations: single axle, tandem axles (including spread axles), tandem axles with two height control valves, and tri-axles.

Analog Scales



Items 510-46-C, 310-54-PP and 250-54-LM (with mounting bracket)

Digital Scales



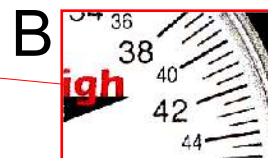
E-Z Weigh model 201-EDG-01-B and 202-DDG-01C pictured

Right Weigh Scale Key Features:

- A. Axle weights are displayed in actual pounds (**NOT psi**).
- B. Easy-to-read dial face allows for accurate weight readings.
- C. Patented, on-the-face calibration ensures custom pinpoint accuracy.



310-54 Gauge Face Showing LBS





Item 510-46-C pictured

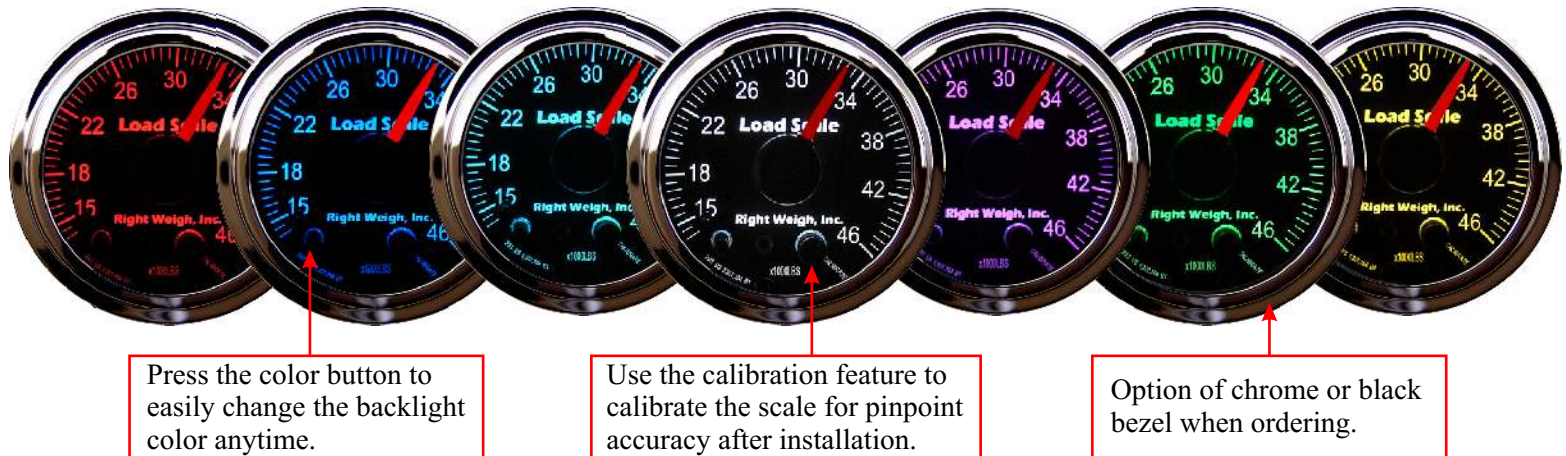
In-Dash Analog Specifications and Applications



Right Weigh's in-dash scales read in actual on-the-ground weight (lbs. not psi) and calibrate for an accuracy within 250 lbs. (113kg) or better. These are designed for mounting in a truck's dash panel inside the cab, and can monitor single or tandem axle groups with an air suspension that is managed by one height control valve – commonly a tractor's tandem drives. If a tractor and trailer is a dedicated set, then a second interior load scale can be used to determine the weight of the trailer tandems using a quick-connect between the tractor and trailer.

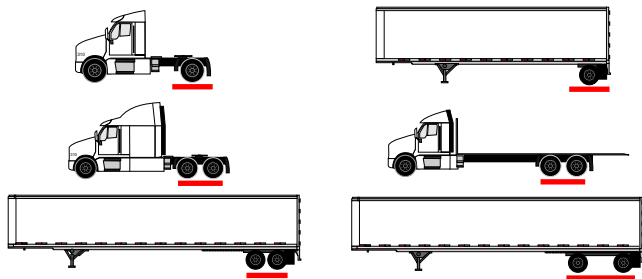
Each interior dash scale includes a 7-color selectable LED backlight, offering a choice of white, red, dark blue, light blue, lavender, green, and amber. A choice of a chrome or black bezel is available when ordering. This is a 2 inch gauge with 1/8 inch NPT connection and will fit any standard 2 1/16 inch gauge hole.

510 Series Key Features:



Single / Tandem Axle Group 510 Series

Common axle group applications for model **510-46 (underlined in red):**



Please note: The dash scale is intended for interior dash mounting only. Exterior mounting will void the warranty.

Item Number	Description
510-30-C	Single axle, single height control valve, chrome bezel, 7-color selectable LED backlight.
510-30-B	Single axle, single height control valve, black bezel, 7-color selectable LED backlight.
510-46-C	Tandem axle, single height control valve, chrome bezel, 7-color selectable LED backlight.
510-46-B	Tandem axle, single height control valve, black bezel, 7-color selectable LED backlight.
101-SK	Universal installation kit including 30 feet of air line and standard brass fittings.
HW-010-5	Chrome interior mounting bracket for installing 510 series scale under dash.
HW-010-4	Black interior mounting bracket for installing 510 series scale under dash.



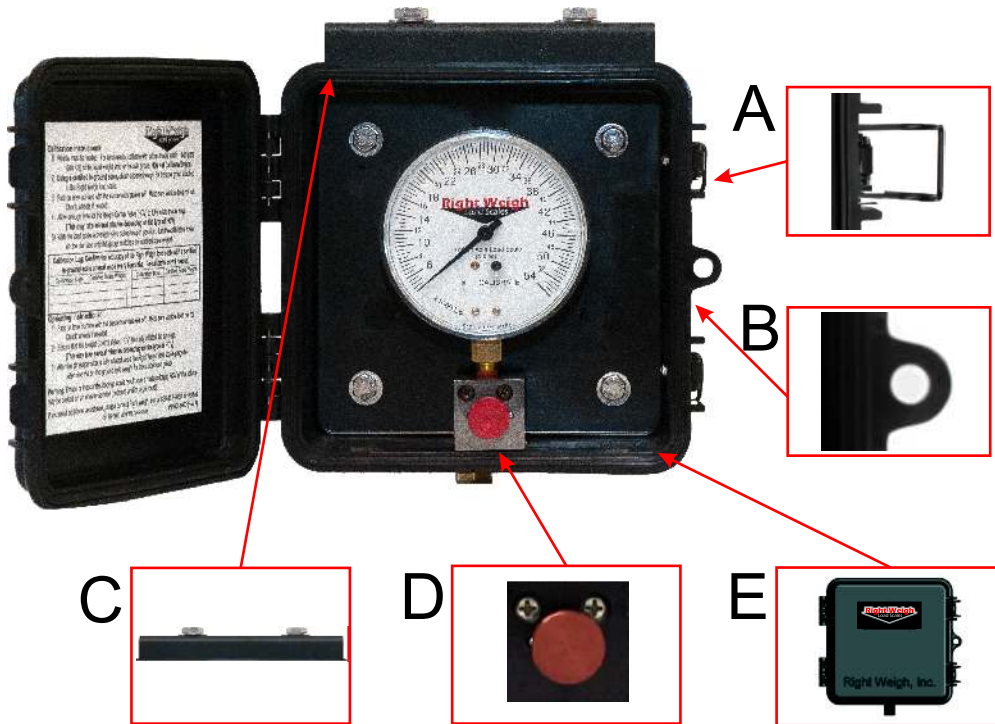
Item 310-54-PP pictured

Exterior Analog Details & Specifications

Right Weigh's flagship line, these exterior mounting scales read in actual weight (lbs. not psi) and calibrate for an accuracy within 250 lbs. (113kg) or better. **They are available for single, tandem, and tri-axle configurations (please specify axle group when ordering).**

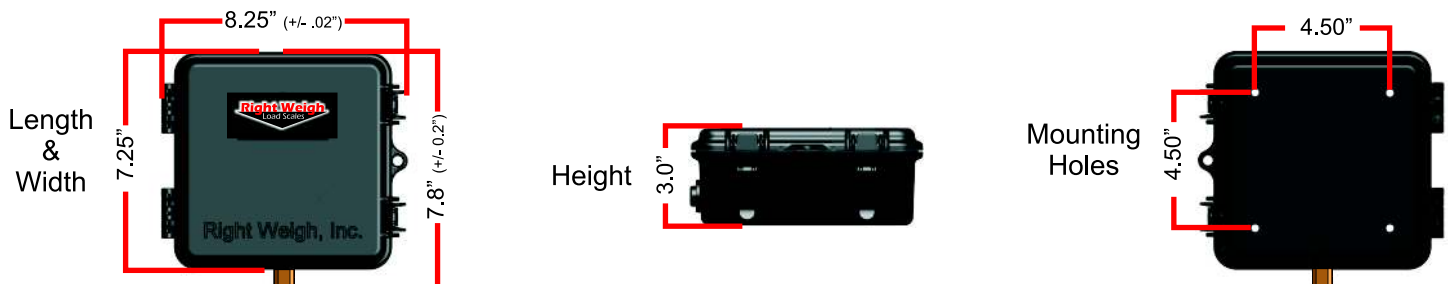
These exterior load scales are mounted in a custom, weather-tight box with a push-pull valve to bleed the pressure out of the gauge when it is not in use, and include a universal mounting bracket. Please see specific ordering information on the next page.

310 Series Key Features:



- A. Dual stainless steel draw latches for a weather-tight seal.
- B. Durable lock hole for additional security if desired.
- C. Universal mounting bracket for installation included.
- D. 3-way push-pull bleeder valve to release the pressure from the gauge when it's not in use.
- E. Custom copolymer box designed for durability and flexibility, protecting the scale in every weather condition.

Exterior Box Dimensions for Analog and Digital Scale:



Exterior Analog Applications and Item Numbers

Single Axle Group Model 310-30

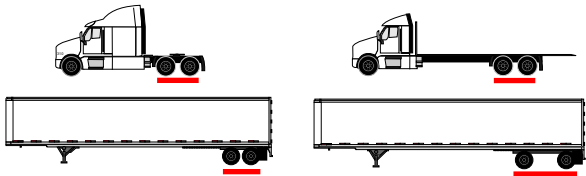
**Common axle group applications for
model 310-30 (underlined in red):**



Item Number	Description
310-30-PP	For single axle, single height control valve axle groups. 3-way push-pull valve.

Tandem Axle Group Model 310-54

**Common axle group applications for
model 310-54 (underlined in red):**



Item Number	Description
310-54-PP	For tandem axle, single height control valve axle groups. 3-way push-pull valve.

Tri-Axle Group Model 310-80

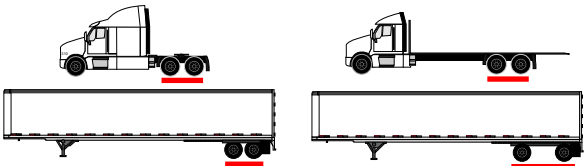
**Common axle group application for
model 310-80 (underlined in red):**



Item Number	Description
310-80-PP	For tri-axle, single height control valve axle groups. 3-way push-pull valve.

Tandem Axle Group, (Two Height Control Valves) Model 310-54-M3

**Common axle group applications for
model 310-54-M3 (underlined in red):**



Item Number	Description
310-54-M3	For tandem axle, dual height control valve axle groups. Shows the weight on a single gauge, combining the two height controlled weights. 3-way push-pull valve.



Item 310-54-M3

Right Weigh
Load Scales

E-Z Weigh™ Digital Details and Specifications

Right Weigh's E-Z Weigh digital onboard load scales provide accurate and reliable axle weight measurement of most air-ride tractors or trailers displayed in real weight (kg/lbs). Utilizing Right Weigh's unique design, these in-dash and exterior mounting gauges allow for a quick and intuitive calibration, providing pin-point accuracy. This digital line can accommodate most tractor and trailer axle configurations, with weights showing on an easy-to-read LCD display. As with all Right Weigh products, these scales are backed by a 3-year parts warranty.

E-Z Weigh Digital Scales

In-dash Mounting



Model 202-DDG-02C pictured

- ✦ Truck model displays on-ground weight for drive axles, plus estimated steer/GVW.
- ✦ Truck/trailer model available for "married" sets showing on-ground weights for trailer axles, drives, plus estimated steer/GVW.
- ✦ Easy to navigate touchscreen.
- ✦ Adjustable backlight.
- ✦ Quick and simple installation and two point calibration process, with optional pin-code protection setting.
- ✦ Weight readout in lbs or kg.
- ✦ Choice of bezel color.
- ✦ For in-cab mounting only, fitting a standard 2" dash gauge hole.
- ✦ PIN code protected calibration feature.
- ✦ Optional outside temperature sensor available.

Exterior Mounting

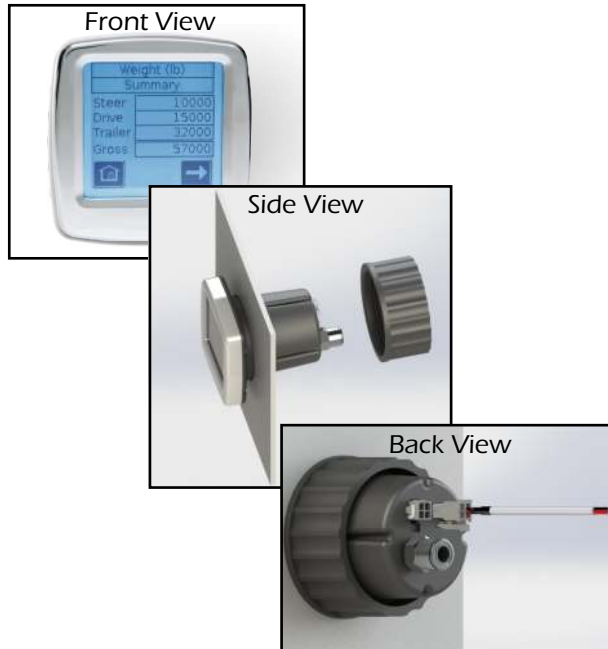


Model 201-EDG-01B pictured

- ✦ On-ground weight displayed for truck or trailer axle group.
- ✦ Dual air input model available showing two axle groups.
- ✦ Intuitive two point calibration, with optional PIN code protection setting.
- ✦ -40F to +185F operating temp. range.
- ✦ Utilizes advanced pressure sensor technology.
- ✦ Custom, impact resistant, all-weather housing.
- ✦ Large, easy to read display that is visible at night or in bright sunlight.
- ✦ Shows on-the-ground weight in both kg and lbs.
- ✦ Available custom box for additional protection.

E-Z WeighTM Digital Applications and Item Numbers

E-Z Weigh In-Dash



Model series 202-DDG-02C pictured

Item Number	Description
202-DDG-01C	Digital scale for single leveling valve drives and estimated steer axle; chrome bezel.
202-DDG-01B	Digital scale for single leveling valve drive and estimated steer axle; black bezel.
202-DDG-02C	Digital scale for dual leveling valve drives and estimated steer axle <u>or</u> single leveling valve drive, dedicated trailer and estimated steer and gross; chrome bezel.
202-DDG-02B	Digital scale for dual leveling valve drives and estimated steer axle <u>or</u> single leveling valve drive, dedicated trailer and estimated steer and gross; black bezel.
101-SK	Universal install kit for 202 series digital scale. Includes 30' of air line and fittings.

E-Z Weigh Exterior



Model series 201-EDG-01B pictured

Item Number	Description
201-EDG-01	Digital scale for single leveling valve suspension.
201-EDG-02	Digital scale for dual leveling valve suspensions or for monitoring two separate axle groups.
201-EDG-01B	Digital scale for single leveling valve suspension, mounted in a custom protective box for additional protection with mounting hardware.
201-EDG-02B	Digital scale for dual leveling valve suspension, mounted in a custom protective box for additional protection with mounting hardware.
201-SK	Installation kit with 25' power line, 30' of air line, 4 wire connectors, calibration sticker, and fittings.
101-EDG-K	Protective box, bracket, and hardware. No scale included with this part number.

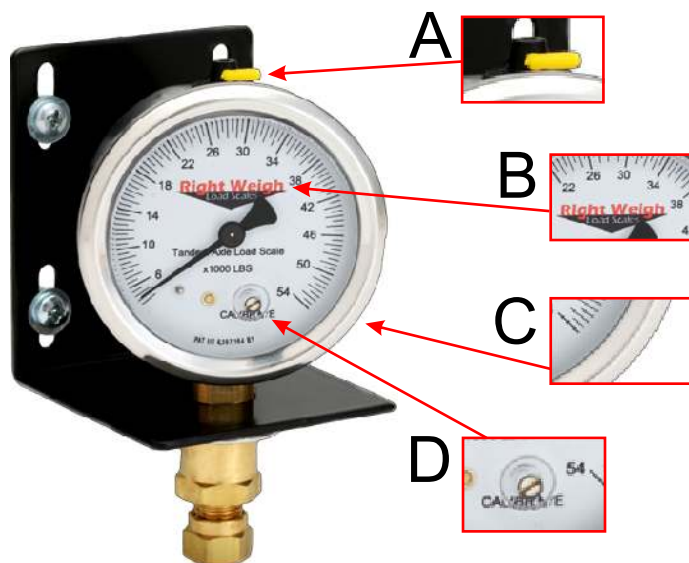


Item 250-54-FF Pictured

2.5" Exterior Analog Details and Specifications

As with every Right Weigh Load Scale, these 2.5 inch gauges show actual on-the-ground weight (lbs. not psi) and calibrate for an accuracy within 250 lbs. (113kg) or better. Maintaining accuracy even in extreme weather conditions, these gauges contain low-viscosity liquid that prevents corrosion and absorbs vibration and pressure spikes. Because of their liquid filling and stainless steel case, these scales may be mounted without a protective enclosure, and without the need for a pressure valve. These scales are ideal for flush and fully exposed exterior mounting – and are available for single, tandem, and tri-axle configurations. Please see specific ordering information on the following page.

250 Series Key Features



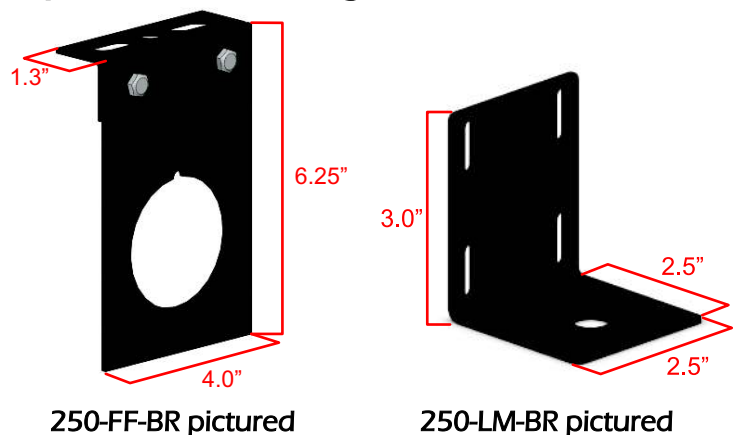
- A. Air vent to equalize internal pressure for consistent weight readings.
- B. Liquid filled to provide added protection from corrosion and vibration, allowing for installation without a protective enclosure.
- C. Stainless steel case to ensure long lasting protection, even when exposed to the elements.
- D. Convenient through-the-face adjustment screw for easy calibration.

Model 250-54-LM with 250-LM-BR pictured



Model 250-64-FF with 250-FF-BR pictured

Optional Mounting Bracket Dimensions



2.5" Exterior Models

Applications and Item Numbers

Single Axle Group Model 250-30

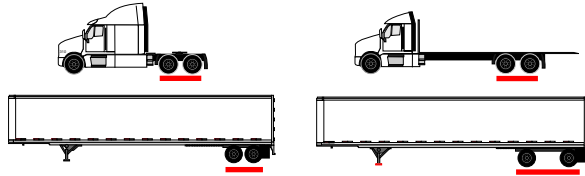
Common axle group applications for model 250-30 (underlined in red):



Item Number	Description
250-30-FF	For single axle, single height control valve axle groups. Center back mount, front flange.
250-30-LM	For single axle, single height control valve axle groups. Lower mount, no flange.

Tandem Axle Group Model 250-54

Common axle group applications for model 250-54 (underlined in red):



Item Number	Description
250-54-FF	For tandem axle, single height control valve axle groups. Center back mount, front flange.
250-54-LM	For tandem axle, single height control valve. Lower mount, no flange.

Tri-Axle Group Model 250-64

Common axle group application for model 250-64 (underlined in red):



Item Number	Description
250-64-FF	For tri-axle, single height control valve axle groups. Center back mount, front flange.
250-64-LM	For tri-axle, single height control valve axle groups. Lower mount, no flange.

Mounting Brackets Models 250-FF-BR and 250-LM-BR



Item 250-FF-BR



Item 250-LM-BR

Item Number	Description
250-FF-BR	2 ½ inch front flange mounting bracket. (Bracket only, please choose appropriate scale separately.)
250-LM-BR	2 ½ inch lower mount mounting bracket. (Bracket only; please choose appropriate scale separately.)

Right Weigh Load Scale Installation (all models)

(Detailed instructions included with product)

- Step 1.** Deflate air bags for the tractor or trailer axle group being monitored.
- Step 2.** Install a T fitting and 1/4 inch air line at the air bag.
- Step 3.** Mount the scale on the tractor or trailer and connect the air line.
- Step 4.** If installing an interior mounted or digital scale, connect power and ground wires to a 12 V DC power source (a 3-amp fused power line is needed for the digital scale).

Figure 1:

Install new airline. (If replacing an existing psi gauge, use existing airline.)

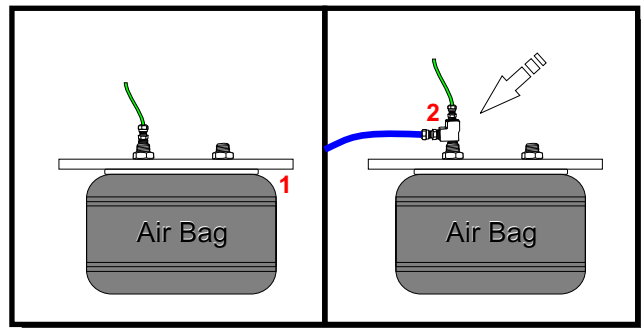
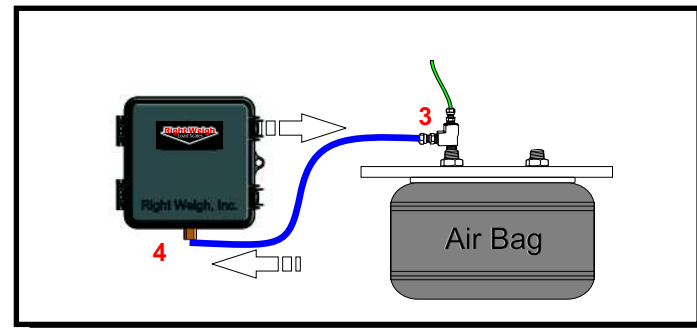


Figure 2:

Connect airline and power wires.



Right Weigh Scale Calibration (Analog)

(Detailed instructions included with product)

- Step 1.** Calibrate with a loaded weight that is at or near the legal limit for the axle group that is being monitored (do not calibrate empty).
- Step 2.** At a certified in-ground scale, obtain a scale ticket showing the weight of each axle group(s) being monitored by the Right Weigh scale(s).
- Step 3.** Park on a level surface with brakes off, chocking wheels for safety.
- Step 4.** While still loaded with the same load used for the certified weight ticket, use a small flathead screwdriver to turn the calibration screw on the face of the gauge until the reading on the gauge matches the certified weight ticket for that axle group.

Figure 3:

Calibrate by adjusting calibration screw.



Right Weigh Scale Calibration (Digital)

(Detailed instructions included with product)

The E-Z Weigh digital scale can be calibrated quickly and easily using both an empty and loaded axle weight from an accurate in-ground scale. Simply enter the empty weight while the vehicle is empty and the loaded weight while the vehicle is loaded. Once the two calibration points have been entered correctly, the E-Z Weigh digital gauge is ready to use.

- Step 1.** Press and hold either the “C HIGH” or “C LOW” button for 3 seconds to enter the calibration mode.
- Step 2.** Use the “UP” and “DOWN” arrow buttons to enter the in-ground scale weight.
- Step 3.** Press and hold either the “C HIGH” or “C LOW” button again for 3 seconds to exit the calibration mode.

Figure 4:

Calibrate using the calibration buttons.



Right Weigh

Load Scales

Our Customers

A Snapshot of Success



Prime, Inc.

Type: Refrigerated Transport
Trucks/Trailers Owned: 7,740
Customer Since: 2006

“Right Weigh’s scales are providing a strong return on investment for the company; they are also directly benefitting our drivers.”

– *Paul Higgins, Plaza Director, Prime, Inc.*

“I haven’t had to use a public scale since installing the Right Weigh scales – I can’t even tell you all the time and money I’ve been saving with them. It’s good to drive for a company that offers such an effective tool for its drivers.”

– *Rick Torres, Driver, Prime, Inc.*



Sunbelt Rentals

Type: Equipment Rental
Trucks/Trailers Owned: 4,171
Customer Since: 2006

“The ease of installation, accompanied by the effectiveness of the onboard scales to maximize our dispatch capabilities, helps our drivers quickly identify the accurate weights of the loads being transported. The scales give our drivers another tool to help us in servicing our customers on a timely delivery schedule, while ensuring that we move legal loads on the highways.”

– *Byron Adkins, Corporate Safety Manager, Sunbelt Rentals*



Dot Foods

Type: Food Redistribution
Trucks/Trailers Owned: 2,010
Customer Since: 2002

“We have approximately 800 trailers in our fleet equipped with the scales, and have made it a standard specification on all new trailer purchases. Feedback has been excellent with drivers stating the ease with which they can quickly confirm legal load weight and adjust as needed before hitting the road. Right Weigh Load Scales were definitely a great investment for us.”

– *Kevin Buss, Director of Fleet Maintenance, Dot Foods*



Howard Salmon

Type: Long Haul Owner-Operator
Trucks/Trailers Owned: 2
Customer Since: 2007

“Right Weigh load scales are a no-brainer! They paid for themselves in just a few weeks of not having to find a truck stop to weigh myself. Right Weigh scales are a big part of saving money for my business. Thanks, Right Weigh!”

– *Howard Salmon, Owner-Operator*

“We are proud of our products, and we take pride in caring for our customers. We’re not just another faceless corporation – we remember our humble beginnings – and are grateful for how far we’ve come. And as the trucking industry continues to face new challenges, our goal will remain to help every owner-operator, fleet, and Right Weigh dealer be more successful. Thank you for your business.”

– *Sid Campbell, Founder, Right Weigh, Inc.*



Sid Campbell, career trucker and founder of Right Weigh, Inc.

Simple. Accurate. Affordable.



Part of the Noske Group fleet, with Right Weigh Load Scales installed, Melbourne, Australia.

Right Weigh, Trusted Around the World

You can take comfort in knowing that hundreds of thousands of truckers around the world trust Right Weigh Load Scales for their accurate loaded weights. Right Weigh has an extensive sales and support network of more than 300 dealers in the United States, as well as authorized sales distributors in Canada, Australia, and Europe. For help locating a Right Weigh dealer or OEM near you, please call toll free 1-888-818-2058 or visit Right Weigh online at www.rwls.com.



Right Weigh is the right choice

- **Most Affordable** – Right Weigh Load Scales are a fraction of the cost of other onboard scale systems!
- More reliable and durable than other systems – No malfunction-prone sensors and electronics.
- Calibrated accuracy to within 250 lbs. (113 kg) or better.
- Reliable calibration (stays calibrated).
- Easy to install and operate.
- Available as a retrofit or OEM option.
- Leading 3-year warranty.
- Quick return on investment.

Consider your annual savings

Scale fees:

Two \$10 scales per week (x 50 weeks / year)
= \$1000/year

Cost of fuel due to out-of-route driving:

500 out-of-route miles (x 65 cents/mile fuel cost)
= \$325/year

Lost income due to out-of-route driving:

500 out-of-route miles (x \$1.15/mile net income)
= \$575/year

Cost of one overweight ticket / year:

= \$500/year

Total potential savings using onboard scales:

=\$2,400/year!

At Right Weigh, we understand the demands of the trucking business, and we are committed to making things a little easier for our customers. For assistance determining which Right Weigh scale is best for you, please call us toll free or visit us online:

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