

LoadMaxx User Guide



**For Trailers with Mechanical
Suspensions**

Air-Weigh Customer Support: 888-459-3247

Table of Contents






Overview.....	1
How to Use the Touch Screen.....	1
Power On/Off.....	1
Calibrating Your Scale.....	3
Before You Calibrate.....	3
Reading and Adjusting the A/D Values.....	4
Calibrating with the Set-Up-Wizard.....	5
Setting Your Alarms.....	9
Settings.....	10
Notes.....	11
Limited Warranty.....	12
Procedure for Warranty Claims.....	13

Overview

LoadMaxx Trailer scale for mechanical suspensions provides on-the-ground weights within 3% of GVW. With an easy to use icon based interface, you'll find using your new trailer scale is simple.

In this manual we will demonstrate how to calibrate your scale, set a PIN number and set your alarms. If you want to learn more, visit www.air-weigh.com to view our videos or call our customer support department at 888-459-3247 and they will guide you through the process.




How to Use the Touch Screen





















- Touch a picture icon or menu button to navigate to the screen it represents.
- Use the  arrows to navigate through options or to increase/decrease digit values.
- Use  to select the next digit. If you get to the right-most digit, touching  will wrap to the left-most digit. Press  to confirm.
- Return to the previous menu by pressing .









Power On/Off

To turn the display on, touch any location on the touch screen and quickly release.



To turn the display off:

- Press  to access the settings menu
- Press  and select "Display off" or
- Press  again and select the amount of time you'd like the scale to remain on after start up.

	Weight Screen
	Alarm Menu and Auxiliary Input
	Setup Menu
	Previous Screen
	Accept Selection
	Scroll Up or Increase the Selected Digit
	Scroll Down or Decrease the Selected Digit
	No Previous Items
	No Further Items
	Next Digit (During Data Entry)
	Alarm Time-Out Entry
	Alarm Weights Menu
	Alarm Lights Menu
	Warning Weight Entry
	Alarm Weight Entry
	Right and Left Alarm Lights Active
	Right Alarm Light Active
	Left Alarm Light Active
	Alarm Light Disabled and No Auxiliary Input
	Calibration Menu

	Weight Adjust Entry
	Diagnostic Menu
	Language Selection
	Additional Settings Menu
	Display Time-Out Entry
	Create PIN Entry
	Setup Wizard
	Trailer

Calibrating Your Scale

Calibration of your LoadMaxx trailer scale is a two stage process. For the first stage of this process you will need to input either your empty weight or heavy weight using the setup wizard . For the second stage of this process, you will not use the setup wizard, you will instead use the calibration menu . This manual walks you through each stage. If you need assistance, please call Air-Weigh's customer support at 888-459-3247 and our support technicians will guide you through the steps.

Before You Calibrate

In order to achieve the best calibration, we recommend some simple procedures:

- Calibrate both empty and heavy weights on same in-ground scale in real time
- Using ONLY the tractor brakes, come to a gentle rolling stop on flat and level ground.
- Calibrate and weigh your trailer using only tractors with the same fifth wheel height. Varying fifth wheel heights can cause trailer weights to vary.
- Verify that sensor readings are OK

Note: When considering the accuracy, use pounds of error instead of percentage of error when empty or lighter loads are hauled.

Note: Air-Weigh is not liable if you load past capacity and overload the sensors.

Note: After final torquing, the sensor will require a break-in period before it can be calibrated. We recommend driving the vehicle in normal operation for at least 100 miles before performing the calibration. If the vehicle operates on very smooth roads during break-in, more miles may be needed to achieve an adequate amount of suspension vibration.

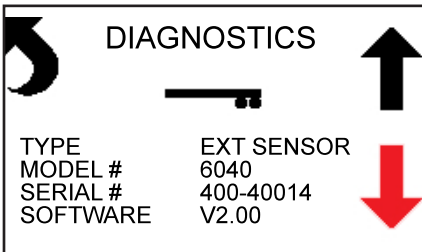
Reading and Adjusting the A/D Values



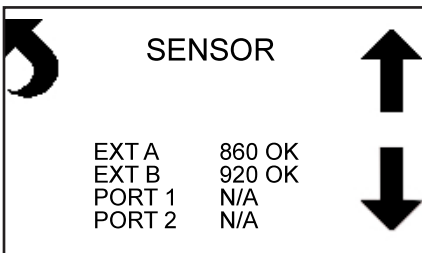
From the main screen, select the wrench icon to enter the Settings menu.



Select the medical bag icon to enter the Diagnostic menu.



Select the down arrow.



This screen will show both the A and B sensors. The sensor values should range from 750-1250, when empty. Refer to the **Setting the A/D Values** section in the **Installation Guide** to adjust these values.

Calibrating with the Set-Up Wizard

Use the setup wizard to complete the first stage of calibration.

Note: In this example, we will first enter the **EMPTY** calibration using the **SETUP WIZARD**. The **HEAVY** calibration will be entered second, using the **CALIBRATIONS** menu. You can start with **EMPTY** or **HEAVY**, but you can only use the **SETUP WIZARD** for the first calibration. If you use the **SETUP WIZARD** for the second calibration, **IT WILL ERASE THE FIRST**.

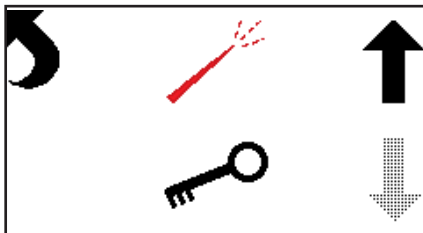
Entering the Empty Calibration



Begin by selecting the wrench to enter the settings menu.



Press the gears icon.



Press the wand icon to enter the wizard.



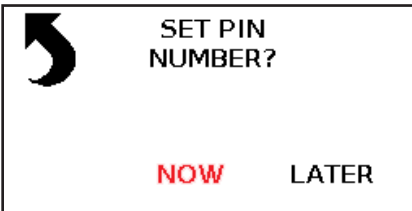
Selecting YES will clear previous calibrations before accepting new information.



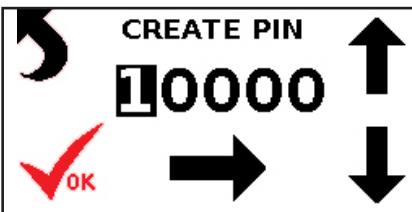
Using the arrows, select the language you want.



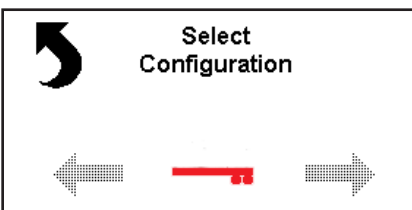
Choose LBS or KGS



We recommend setting a PIN to protect calibration on all scales.



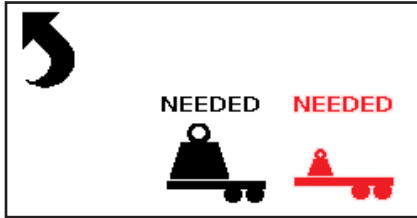
Choose your PIN and hit OK.



Select your trailer's configuration.



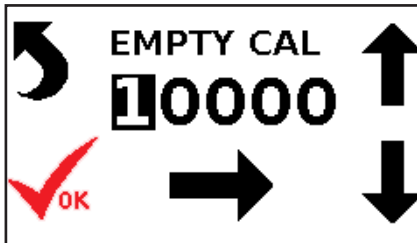
Choose manual calibration.



Select the empty calibration icon

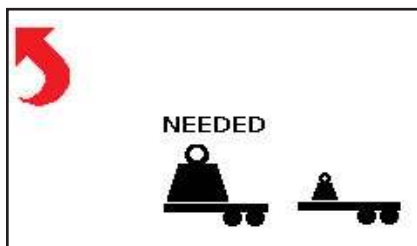


Confirm you are empty



Enter your empty weight you obtained from a certified scale and hit OK.

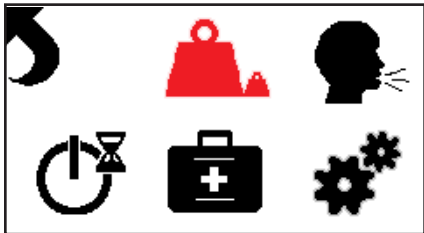
Entering the Heavy Calibration



Select the back button to begin the second stage of the calibration process.



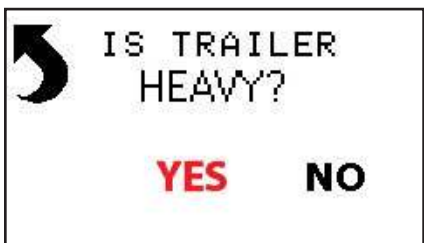
Select the wrench to enter the settings screen.



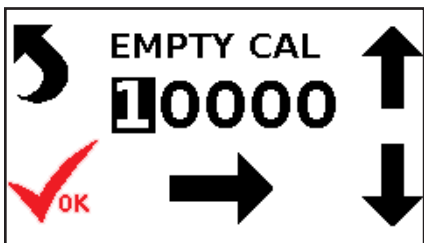
Select the calibration menu.



Select the heavy calibration icon.



Confirm you are heavy.



Enter your heavy weight you obtained from a certified scale and hit OK.

Setting Your Alarms

The LoadMaxx Trailer scale provides two individually programmable alarm settings. Built-in LEDs will blink when either one – or both – of the following conditions are met:

- Slow blink when the Warning Weight alarm setting is exceeded.
- Fast blink when the Overweight Alarm setting is exceeded.



From the main screen, select the bell.

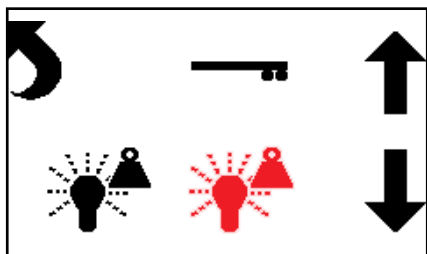


Alarms are on when the box next to the top left bell is checked.

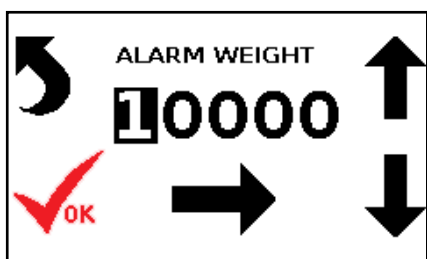
To set the alarm timeouts select the bottom left icon.



To set the alarms, choose the icon in the upper right.




To set the overweight alarm, select the icon on the right.



Enter your desired alarm weight and hit OK.

Go back and select the warning weight icon on the left and, repeat to set your overweight warning.

Settings

You can change many of the settings on your LoadMaxx trailer scale by selecting the wrench icon . From there you can change the weights, language, PIN and more. See the key on page 2 to see icons for various settings.

Note: If you set a PIN for your scale, you will not have access to calibration, unit of measure, or alarms until the PIN is entered. If you forget your PIN, contact Customer Support at 888-459-3247.

Notes

Limited Warranty

For product failures due to material or manufacturing defects, Air-Weigh will replace or repair all components for up to 3 years from shipment date to the end-user Air-Weigh customer. These three-year components include: Displays, ComLinks, Sensors, Power Cables, Sensor Assemblies, Sensor Harnesses, and all other associated external components. Air-Weigh assumes no responsibility for administering warranty claims directly with any third party end users.

The responsibility of Air-Weigh under this warranty is limited to the repair, replacement, or credit of the defective part or assembly.

This warranty does not cover incidental or consequential damage to persons or property caused by use, abuse, misuse, or failure to comply with installation or operating instructions. This limited warranty does not apply to any product that has failed due to accident, abuse, alteration, installation not consistent with printed installation instructions, improper maintenance, improper operation, or as a result of system integration or installation not explicitly approved in writing by Air-Weigh.

Air-Weigh and its resellers shall have no responsibility or liability for damages if the purchaser or any other person alters the vehicle incorporating Air-Weigh products. This limited warranty shall not apply to any product that has been repaired or altered by anyone not employed by Air-Weigh or not operated in accordance with the manufacturer's printed material delivered with this product.

Air-Weigh hereby expressly disclaims any and all implied warranties of any type, kind of nature whatsoever, and particularly any implied warranty of merchantability or fitness for a particular purpose not expressly stated by Air-Weigh in its printed material delivered with its products.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in the terms and conditions of this Warranty may not apply. This warranty gives you specific legal rights and you may also have other rights, which vary state to state.

May be covered by U.S. Patent Nos. 5478974, 5780782, 7478001
Foreign Patent Nos. 260494, 677998, 2122766

Copyright © 2004, 2006, 2007, 2010, 2011, 2012, 2013 by Hi-Tech Transport Electronics, Inc. All rights reserved. Air-Weigh®, ComLink™, and Hi-Tech Transport Electronics are trademarks or registered trademarks of Hi-Tech Transport Electronics, Incorporated. Other brand, product, or service names listed in this document are the trademarks or registered trademarks of their respective holders. Information contained in this literature was accurate at time of publication. Product changes may have been made after copyright dates that are not reflected in this document.

Procedure For Warranty Claims

ALL customers should first contact Air-Weigh Customer Support Department at (888) 459-3247 for questions regarding the use, operation, repair or return of any Air-Weigh product.

In the event Air-Weigh requests to examine the product prior to disposition OR for repair or replacement, Air-Weigh requires a Return Material Authorization (RMA) number be issued before the item is returned. Customer Support will issue the RMA number. Please reference this RMA number in all correspondence.

Claimed items shall be shipped freight pre-paid to:

Air-Weigh
Customer Support Department
1730 Willow Creek Circle, Suite 100
Eugene, Oregon 97402, USA

The Air-Weigh RMA number must appear on the outside of the return packaging. Air-Weigh shall examine returned material within 30 days after receipt, or sooner if mutually agreed upon. If Air-Weigh determines that the part or assembly was defective in material or workmanship and within the warranty period, Air-Weigh will repair or replace the part or assembly and return freight pre-paid. In the event Air-Weigh determines that the part or assembly cannot be repaired or replaced and is within the warranty period, a credit not to exceed the purchase price will be issued to the Air-Weigh customer.

For our customers using purchase orders Air-Weigh will process a credit memo and notify the customer by email or fax. The customer will process a corresponding debit memo and notify Air-Weigh accordingly.

If the part or assembly received by Air-Weigh does meet the requirements of the warranty program set forth above, at the Air-Weigh customer's request the part or assembly will either be discarded, returned freight collect, or repaired or replaced at Air-Weigh customer's expense and returned freight collect.

Air Weigh

1730 Willow Creek Circle • Eugene, OR 97402-9152 USA
P.O. Box 24308 • Eugene, OR 97402-0437 USA

Telephone (541) 343-7884 • Order Desk (888) 459-3444
Customer Support (888) 459-3247 • Fax (541) 431-3121

www.Air-Weigh.com