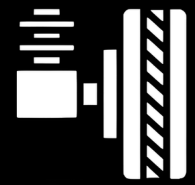


How To Calibrate Your Agricultural Weighing System Using Our Onboard App



CONTACT US:  +44 (0) 1603 485 153



Contents

3.....What To Know Before You Start

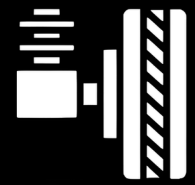
5.....Obtaining Weights For Empty Calibration

6.....Obtaining Weights For Loaded Calibration

8.....Performing Empty Calibration In The Onboard App

10.....Performing Loaded Calibration In The Onboard App

12.....Calibration Complete



What to know before you start

Obtain the vehicle weights using a certified flat weighbridge for maximum results. If your weighbridge doesn't issue/print tickets, please ensure you note down all weighbridge weight figures as we will need these later to input into the Onboard App.

If you don't have the Onboard App installed on your Android phone/iPhone, please scan the QR code for your device below to download the app:

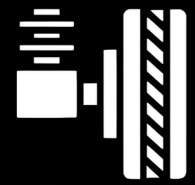
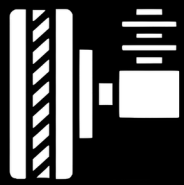


There is a calculation that needs to be completed in order to obtain the **Draw Bar weight (Steer)**. The calculation is as follows:

$$\text{Total Trailer Weight} - \text{Trailer Axle Weight (Drive)} = \text{Draw Bar Weight (Steer)}$$

You can re-arrange the calculation to get the total trailer weight:

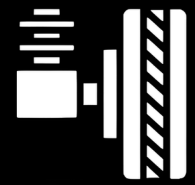
$$\text{Draw Bar Weight (Steer)} + \text{Trailer Axle Weight (Drive)} = \text{Total Trailer Weight}$$



IMPORTANT

As soon as you have obtained all of your vehicle weights from the weighbridge, park the vehicle in a safe location and input them into the Onboard App.

It is essential that these are input into the Onboard App as soon as possible as failure to do so will affect your calibration readings!



Obtaining Weights For Empty Calibration

1. Start by visiting a certified flat weighbridge for maximum results with your **completely empty** vehicle.

2. Ensure that the trailer is **completely empty**, then drop the entire trailer on the weighbridge and record this weight. This is your **Total Trailer Weight**. (*EXAMPLE: Empty Total Trailer Weight = 4,000 kg*)

3. Now connect the empty trailer to the tractor and have only the trailer axles on the weighbridge and record this weight. This is your **Trailer Axle Weight (Drive)**. (*EXAMPLE: Empty Trailer Axle Group Weight = 2,600 kg*)

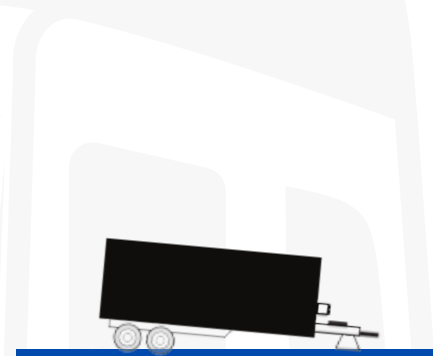
4. Now we need to calculate our **Draw Bar Weight (Steer)** using the following calculation:

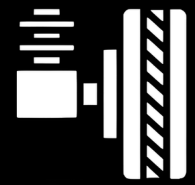
$$\text{Total Trailer Weight} - \text{Trailer Axle Weight (Drive)} = \text{Draw Bar Weight (Steer)}$$

Here is the calculation using the **EXAMPLE** figures:

$$4,000\text{Kg} - 2,600\text{Kg} = 1,400\text{Kg}$$

WEIGHBRIDGE





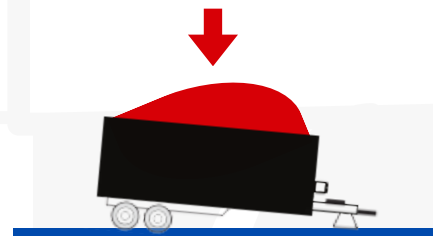
5. After you have performed the calculation, you should now have the trailers **empty Total Trailer Weight, Trailer Axle Weight (Drive) & Draw Bar Weight (Steer)**.

Obtaining Weights For Loaded Calibration

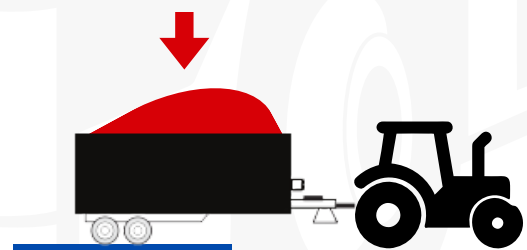
1. Start by visiting a certified flat weighbridge for maximum results with your **loaded** vehicle.

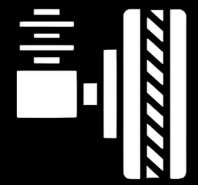
WEIGHBRIDGE

2. Ensure that the trailer is **loaded with suitable product**, then drop the entire trailer on the weighbridge and record this weight. This is your **Total Trailer Weight**. (EXAMPLE: Loaded Total Trailer Weight = 24,000 kg)



3. Now connect the **loaded** trailer to the tractor and have only the trailer axles on the weighbridge and record this weight. This is your **Trailer Axle Weight (Drive)**. (EXAMPLE: Loaded Trailer Axle Group Weight = 16,000 kg)





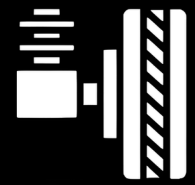
4. Now we need to calculate our **Draw Bar Weight (Steer)** using the following calculation:

$$\text{Total Trailer Weight} - \text{Trailer Axle Weight (Drive)} = \text{Draw Bar Weight (Steer)}$$

Here is the calculation using the **EXAMPLE** figures:

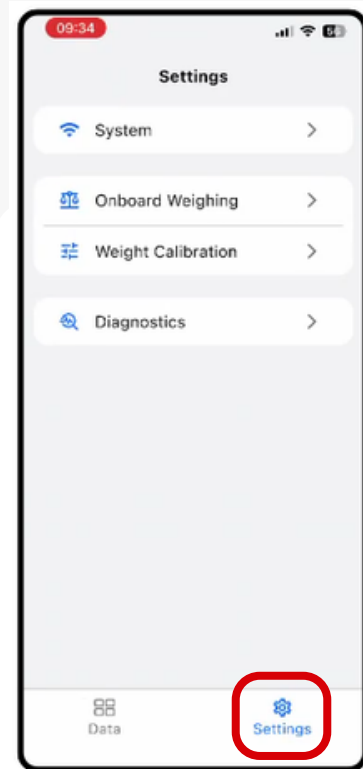
$$24,000\text{Kg} - 16,000\text{Kg} = 8,000\text{Kg}$$

5. After you have performed the calculation, you should now have the trailers **loaded Total Trailer Weight, Trailer Axle Weight (Drive) & Draw Bar Weight (Steer)**.

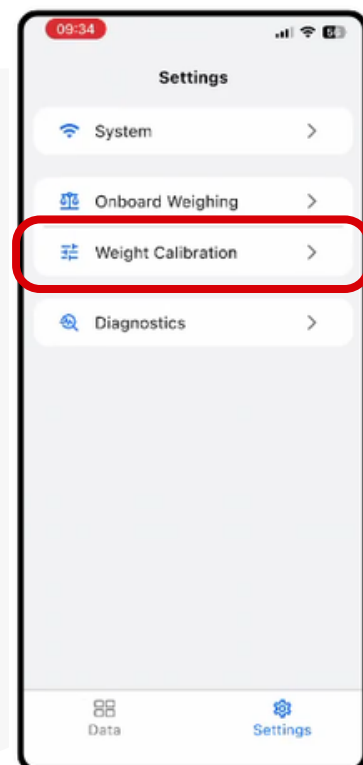


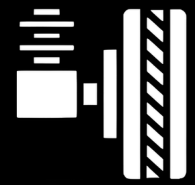
Performing Empty Calibration In The Onboard App

1. Open the Onboard App and go to the settings page by pressing the **'Settings'** button in the bottom right corner of the App.

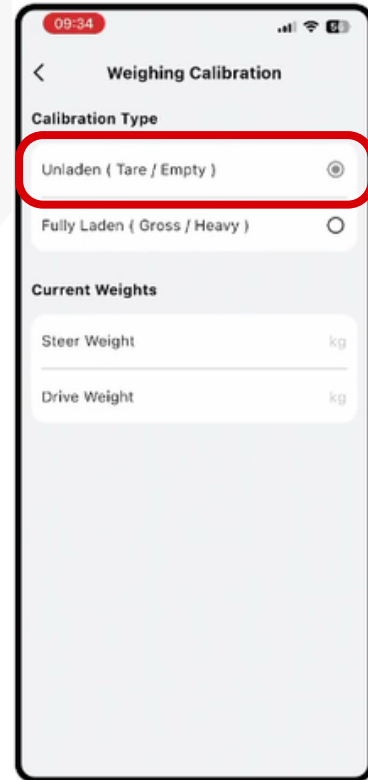


2. Now select **'Weight Calibration'**.

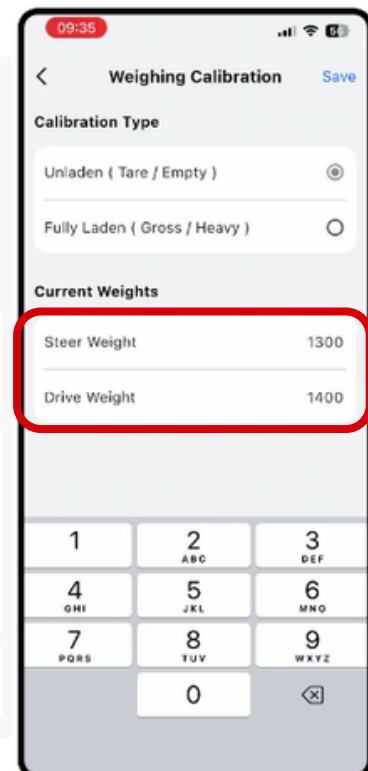




3. Ensure that the **'Unladen (Tare/Empty)'** option is selected.



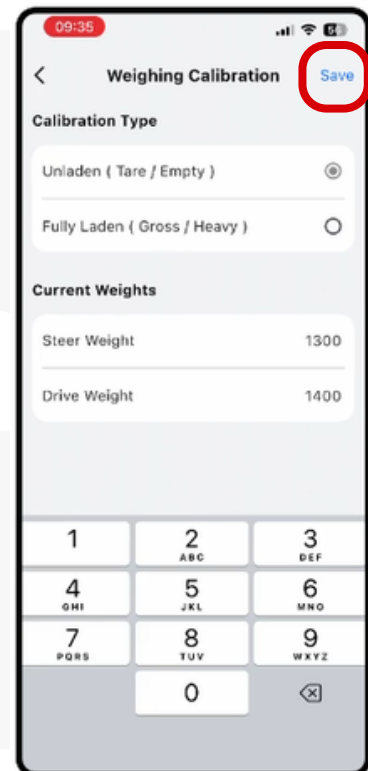
4. Enter the vehicles **empty Draw Bar (Steer) weight** into the **Steer Weight box** and the **empty Trailer Axles (Drive) weight** into the **Drive Weight box**.



$$\text{Total Trailer Weight} - \text{Trailer Axle Weight (Drive)} = \text{Draw Bar Weight (Steer)}$$

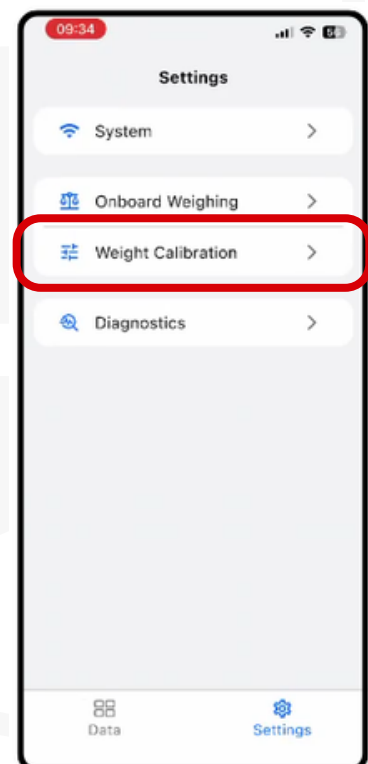


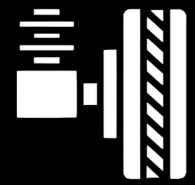
5. Press '**Save**' in the top right corner of the App to save these weights. Pressing the back arrow in the top left will **NOT** save these weights in the App.



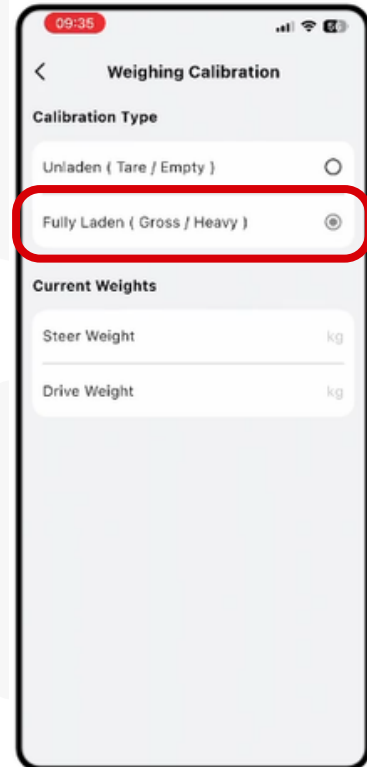
Performing Loaded Calibration In The Onboard App

1. Now for the loaded calibration, select '**Weight Calibration**' on the '**Settings**' page again.

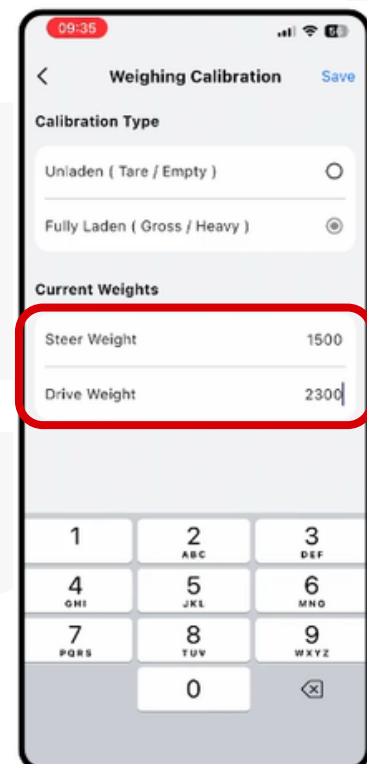




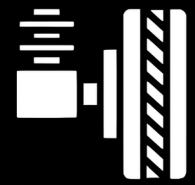
2. Select the **'Fully Laden (Gross/Heavy)'** option.



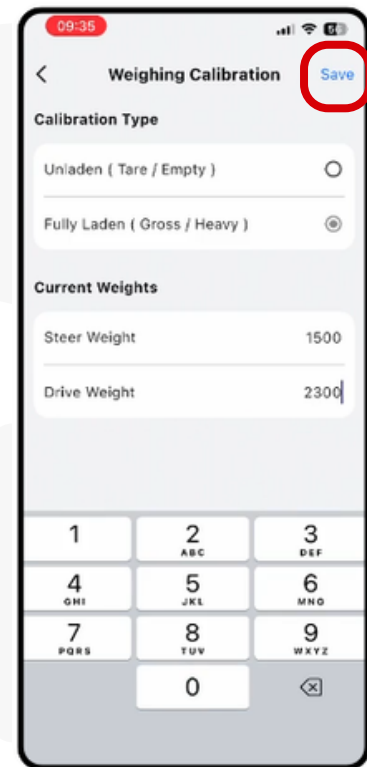
3. Enter the vehicles **loaded Draw Bar (Steer) weight** into the **Steer Weight box** and the **loaded Trailer Axles (Drive) weight** into the **Drive Weight box**.



$$\text{Total Trailer Weight} - \text{Trailer Axle Weight (Drive)} = \text{Draw Bar Weight (Steer)}$$



5. Press '**Save**' in the top right corner of the App to save these weights. Pressing the back arrow in the top left will **NOT** save these weights in the App.



Calibration Complete

Once you have saved your vehicles empty weights and loaded weights into the Onboard App, your weighing system will be calibrated.

If you require more guidance, please contact our weighing system specialist.



+44 (0)1603 485 153



sales@smart-weigh.co.uk



www.smart-weigh.co.uk