

WARNINGS

Calibration steps are different for empty and heavy weights.
Please follow the steps in this manual carefully.

CERTIFIED: Your CLERAL scale is **NOT** certified legal for trade.

TOOL: Your CLERAL scale is a tool designed to provide accurate weights within a range of +/- 1%. Fluctuations occur in **ALL** scales due to external conditions and load variations including: Fuel (full, empty), climate (cold/hot, ice/snow), altitude etc.

AIR: Make sure all air connections are tight. Leaks in the air system will give erratic readings.

LIFT AXLES: Lift axles must be in the up position during calibration and during loading.

VALVES: If not already present, installing immediate response leveling valves in air suspension systems is **STRONGLY** recommended for optimal performance. Your CLERAL scale may be slow to react when using slower reacting leveling valves. Ask your CLERAL dealer to determine your type of valve and whether or not a change is advisable.

FUEL: Fuel level varies and will affect total weights. Your tanks should be **FULL** during calibration.

SLOPES: Uneven ground will affect weights and your CLERAL scale's performance. It is advised that you are on level ground during calibration and loading.

ICE: The presence of ice and/or water will affect total weights.

SUPPORT: Questions? Contact : **866-485-4037**



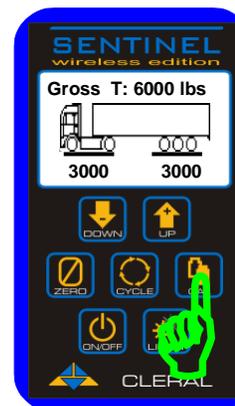
CLERAL SENTINEL CALIBRATION (TT)

1. Empty Calibration:

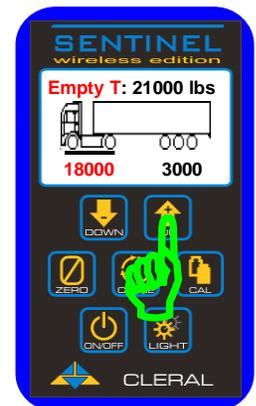
Move the **tractor only** of the empty truck onto the weighbridge.



Record the empty tractor weight: **exp: 18000 lbs.**



To enter the empty tractor weight press the **CAL** key "Empty T" will be displayed. Press and hold the **UP** or **DOWN** arrow keys to scroll to the desired empty tractor weight (number displayed under underlined axle group).



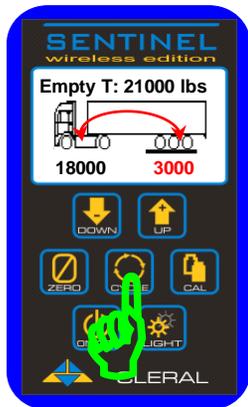
Next, move the **entire** empty truck onto the weighbridge.



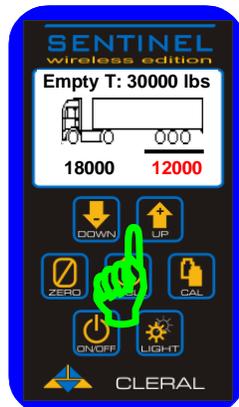
Record total empty truck weight: **exp: 30000 lbs.**

Total weight – Tractor weight = Trailer weight

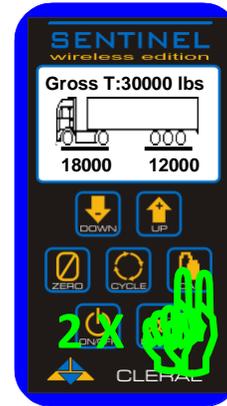
exp: 30000 lbs - 18000 lbs = 12000lbs



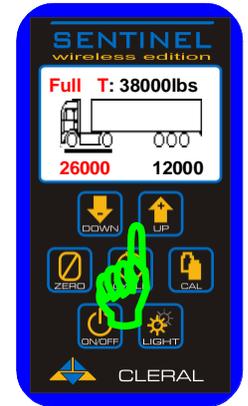
Press the **CYCLE** key to change axle groups. Press and hold the **UP** or **DOWN** arrow keys to scroll to the desired weight (number displayed under the underlined axle group) press the **CYCLE** key again to return to the main weight screen (Gross T displayed).



Record the full tractor weight: **exp: 26000 lbs.**



Press the **CAL** key **twice (2)**, Full T is displayed, press and hold the **UP** or **DOWN** arrow keys to scroll to the desired full tractor weight (number displayed under the underlined axle group).



Next, move the **entire** full truck onto the weighbridge.



Record total full truck weight: **exp: 80000 lbs.**

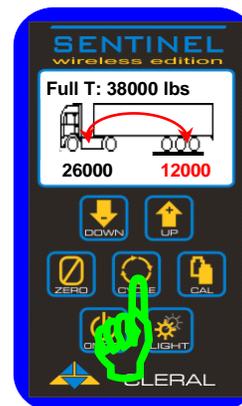
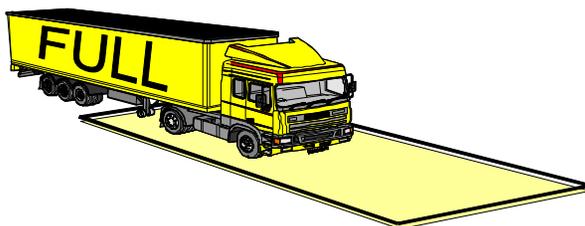
Total weight – tractor weight = trailer weight

exp: 80000 lbs – 26000 lbs = 54000 lbs

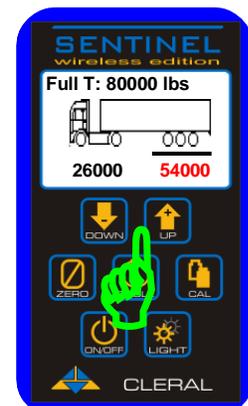
Next, exit the weigh bridge and load your truck to its maximum legal weight limit.

2. Full Calibration

Move the **tractor only** of the full truck onto the weighbridge.



Press the **CYCLE** key to change axle groups. Press and hold the **UP** or **DOWN** arrow keys to scroll to the desired weight (number displayed under the underlined axle group) press the **CYCLE** key again to return to the main weight screen (Gross T displayed).



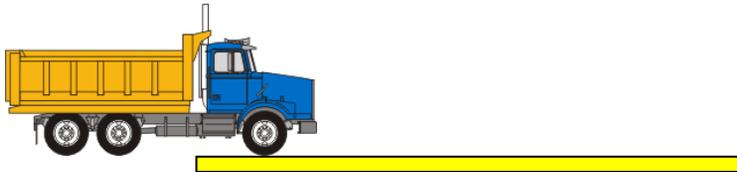
CLERAL SENTINEL CALIBRATION

Supplement - Straight Body

Sensored steer axle

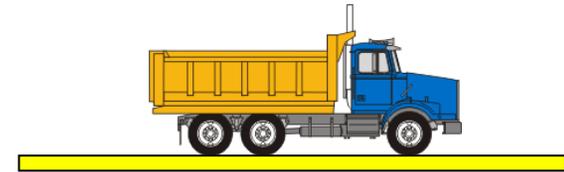
The calibration procedure for straight body trucks when the steering axle is sensed is different. Although the key strokes for entering the weights remain the same (refer to primary tractor trailer manual for proper key strokes) the method for acquiring and calculating steering and drive axle empty then full weights is slightly different. Please follow these instructions when acquiring empty and full weights. Enter the empty then full weights onto your Sentinel while in position on the weighbridge.

1. **Empty weights:** Move the **steering axle only** of the **empty** truck onto the weighbridge.



Record the **empty** steering axle weight: **exp. 8000 lbs.**
Enter onto the Sentinel indicator.

Next, move the **entire truck** onto the weighbridge.



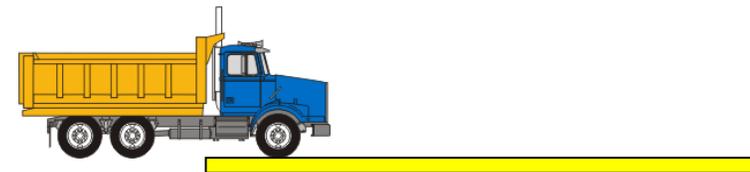
Record the entire **empty** truck weight: **exp. 23000 lbs.**

Subtract the steering axle weight from the entire truck weight: **exp. $23000 - 8000 = \underline{15000}$** to get your **empty** drive axles weight. Enter onto the Sentinel indicator.

Now, exit the weighbridge and load your truck to its **maximum** legal limit.

2. **Full weights:**

Move the **steering axle only** of the **full** truck onto the weighbridge.



Record the **full** steering axle weight: **exp. 16000 lbs.** Enter onto the Sentinel indicator.

Next, move the **entire truck** onto the weighbridge.



Record the entire **full** truck weight: **exp. 40000 lbs.**

Subtract the steering axle weight from the entire truck weight: **exp. $40000 - 16000 = 24000$ lbs.** to get your full drive axles weight. Enter onto the Sentinel indicator.

Exit and you're on your weigh!