Air-Weigh

5819 scale CALIBRATION

Preliminary Considerations

The accuracy of the AW5819 depends on the accuracy of the certified scale used to calibrate it. Ensure that the in-ground scale is reliable, It is preferable to obtain both EMPTY and HEAVY weight tickets from the same certified scale.

The Trailer Payload Scale measures the payload weight only, so you'll be comparing the gross vehicle weight of the vehicle when it is empty and again when it is heavily loaded to determine how much the payload weighs. The pre-calibration function under the SUSPNS menu is not available for calibration in the Payload Scale mode.

Calibrate on level ground, with the trailer brakes released and the engine running. Ensure that the suspension returns to the proper ride-height before calibrating and lift axle is in the down position if applicable.

1. When calibrating and using the Trailer Payload Scale, it will be necessary to lift the front of the trailer slightly to pressurize the hydraulic system. Briefly release the PTO pressure to stabilize the hydraulic pressure, if necessary. Select a weighing position where the trailer body is raised clear of the chassis and easy to repeatedly identify.

2. The EMPTY value will be zero and must be entered with the trailer empty and in the weighing position described in Step 1.

3. Load the trailer then enter the payload weight for the FULL value while the trailer is in the weighing position.

4. The payload weight is determined by subtracting the empty gross vehicle weight, sometimes called the tare weight, from the loaded GVW weights.

	EXAMPLE	YOU'RE WEIGHTS
Full Gross Vehicle Weight:	**44,000 Kg**	
(Minus) Empty (tare) Weight:	**− 13500 Kg**	**−**
Payload Weight:	**30500 Kg**	

Calibration Procedure

NOTE: Remember, EMPTY or HEAVY weight calibrations can be entered in any order, but the HEAVY weight must be entered while the trailer is loaded, and the EMPTY weight must be entered while the trailer is EMPTY. Additionally, the scale must have both EMPTY and HEAVY weights entered before calibration is complete and accurate weights are displayed.

Please remember always weigh on level ground if possible for accurate results.

Ensure display is set to KGS before commencing.

Press the MENU key, press the down key to display (LBS/KGS) press the ENTER key, select KGS by pressing the DOWN key. KILOGRMS will blink in the display window. Press the ENTER key, display will show accepted and return to NO CALIB!

EMPTY WEIGHTS
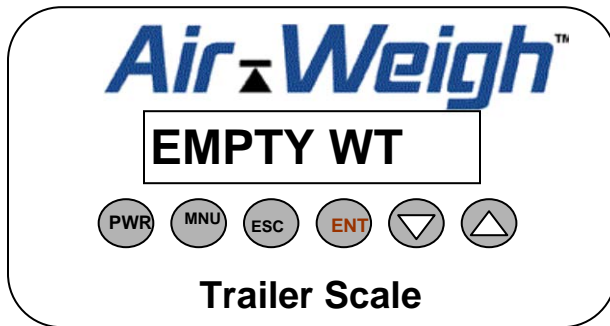Step 1) Press <MENU>. WEIGHTS appear.
Step 2) Press the DOWN arrow 3 times until PROGRAM appears. Press <ENTER>.

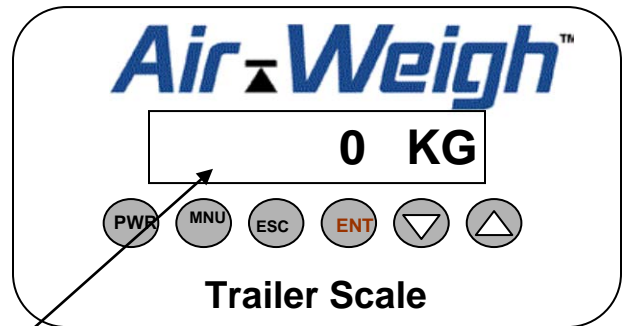*If PIN is needed for access, enter it at this time.*

Step 3) CALBRATE appears. Press <ENTER>.
Step 4) Use the <DOWN> arrow and scroll to EMPTY WT. Press <ENTER>.
Step 5) using the <UP/DOWN> arrows scroll to zero (0). Press <Enter>.

Step 4	Example	Step 5

HEAVY (or PAYLOAD) WEIGHTS
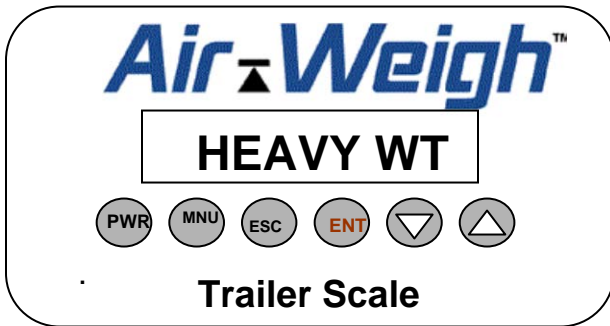Step 1) Press <MENU>. WEIGHTS appear.
Step 2) Press the <DOWN> arrow 3 times until PROGRAM appears. Press <ENTER>.

If PIN is needed, enter it at this time.

Step 3) CALBRATE appears. Press <ENTER>.
Step 4) Use the <DOWN> arrow and scroll to HEAVY WT. Press <ENTER>.
Step 5) using the <UP/DOWN> arrows scroll to the proper PAYLOAD weight, which you calculated by comparing empty and loaded certified scale tickets. Press <ENTER>.

Once HEAVY and EMPTY weights are entered the calibration is complete.

To Weigh Payload: Once trailer is almost full briefly release and reapply trailer brake to ensure suspension is fully inflated & raise body to weighing position, or load with trailer only un-braked if unit allows.
You can use the alarm function to alert when target load is reached.

Trailer Payload or Axle Alarm Set Up

Press the MENU key, weights will appear on screen.
Press the ▼key until PROGRAM appears, press the ENTER key.
Press the ▼key until ALARMS is displayed.

Press the ENTER key, EXIST will display, press the ENTER key. Display will say
YES or NO press ▼to display YES, press the ENTER key. Display will say
ACCEPTED and revert to EXIST.

Press the ▼key once, ALARM WT will display. Press the ENTER key 0KG will
blink. Use the ▼▲ keys to enter desired alarm weight e.g. 28950KG press the
ENTER key display will say ACCEPTED and return to ALARM WT.

Press the ▼ key twice to ALARM ON, press the ENTER key and use ▼key to
select YES. Press the ENTER key display will say ACCEPTED and return to
ALARM ON. Press ESCAPE key until weights are displayed on screen.

Your Alarm is now set*.*