ELANE

PS2000-500g

Max. 500g d = 0.01g

SETTING THE ZERO WITHIN THE RANGE:

Bringing the base frequency in the range around 2000

1) Take out the platform of the scale from the four platform stand above the load cell.
2) Unscrew the four screws at the bottom of the scale underneath the rubber feet.
3) Remove the upper case from the scale.
4) Put the platform back on the platform stand of the scale.
5) Plug on the power and press ON/OFF key at the front left side of the key board overlay. *(After the ON key is pressed, after the display of "Self test", if the base frequency of the scale is less than the predefined value the display will stuck on "Under Load" if the base frequency of the scale is more than the predefined value the display will stuck on "Remove weight")*
6) Now press and release the following keys in sequence.
7) **SET** New Count>**Default** Count>**M+>COUNT**>**AUTOCAL/TARE**
8) The scale will enter the base frequency display mode/Calibration mode. LCD will display "**Put 0g Weight**" on the upper line of the LCD and "**0**" in the lower right corner of the LCD (this number 0 in this case is the base frequency).
9) On the bottom side of the PCB (right front corner) there is one blue colored VR1 to adjust this base frequency incase if it's not in the range. Moving the screw on this VR1 in clockwise direction will increase the base frequency and moving on anti clockwise direction will decrease the base frequency.
10) If the base frequency in **7)** is 200 or less the scale after start up will stuck on "**Under load**". Take a thin screw driver or sharp knife and move the screw of the VR1 in the clockwise direction, until base frequency in the lower right corner of the LCD is **2000** or around.
11) Now unplug the power cord.
12) Take out the platform gently. (if the platform is lifted with big force the load cell underneath will be affected)
13) Assemble the upper case on the scale and tighten the four screws at the bottom side and put the white rubber feet in place.
14) Put back the platform gently without applying big force.
15) Plug the power plug at the rear side of the scale and press ON key.
16) Now the scale will start up normally. For better performance you can do the advanced calibration as described below.

ENTERING THE ADVANCE CALIBRATION MODE:

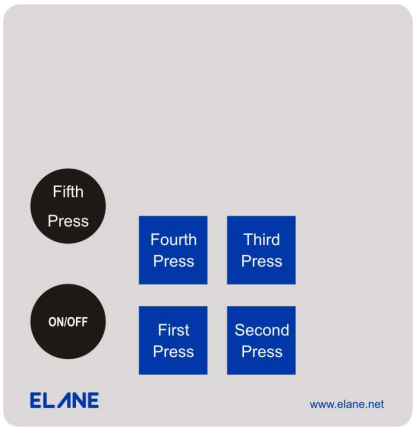
In some cases due to the rough handling during shipping the scale or by extreme overloading the scale keeps on displaying “Remove weight” or “Underload!” even if there is nothing on the platform and can’t proceed any weighing function **OR** if you want the weighing more precise in your place….

In this case it is necessary to do the **Advance calibration** also known as **Factory calibration.**

Advance calibration point: 50g, 150g, 250g, 350g and 450g

Entering the Advance Calibration Mode

1) Plug on the dc power supply.
2) Put about 250g weight on the platform.
3) Press ON/OFF key on the keyboard panel of the scale *(With the weight on the platform)*.
4) After “SelfTest…” scale will display “**Remove Weight**”.
5) Now press and release the following keys in sequence.
6) **SET** New Count>**Default** Count>**M+>COUNT**>**AUTOCAL**



7) Scale will enter the advance calibration mode and will display the base frequency on the 2nd line of the LCD and “Put 0g Weight” on the 1st line. *(In the picture on the right frequency is 7822)*

8) Now remove the 250g weight from the platform.
9) Without anything on the platform the base frequency should be around 2000 as you just adjusted above.
10) Wait for sometime and the scale will ask for the 50g weight.
11) Put 50g weight and wait until the scale asks for 150g weight.
12) Remove the 50g weight and place 150g weight on the platform and wait for sometime until the scale asks for 250g weight to be placed.
13) Remove 150g weight and put 250g weight on the platform and wait until scale asks for 350g weight.

14) After 350g scale will ask for 450g weight, once the stable count of 450g has been memorized by the scale, it will go to the normal weighing mode. *(The accuracy of the scale depends on the environment in which you carried out the advance calibration)*

Note

*It is strictly advised not to carry the calibration if you **don't have** all the weight sets required during the process. Both of the calibrations ADVANCE and USER should only be conducted in a calm environment and non-vibrating surface**.** For the User calibration procedure, please refer the user manual.*