

WEIGHT AND FREQUENCY CALIBRATION PROCEDURE FOR PLUS/SE20 2000g SCALE

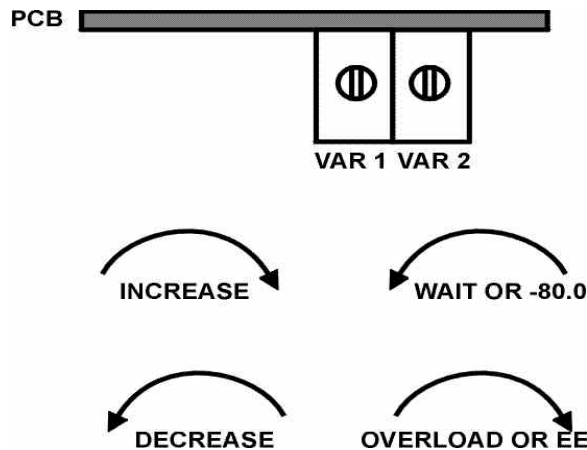
1. Remove both case screws underneath the keyboard in front of the unit.
2. Use a coin to pop open the case in front of the unit to allow a small blade screw driver to move in. Or underneath the scale there two slots which will fit a mini-screw driver for calibration job.
3. Plug in the supplied AC adapter to power supply or put a "9V" Alkaline battery and the scale is ready for operation.
4. Press the key "ON/OFF" follows by "TARE" and holds momentarily.
5. when display shows - - - - (minus sign) immediately press the "ON/OFF" key to enter the calibration mode routine. THE SCALE SHALL SHOW E.E or -80 [**USE ONLY THE SUPPLIED ADAPTER!!!**]

Notes:-

If the scale shows calibration mode within this range as below:-

- a) WITH PLATFORM MOUNTED, $200 < \text{CALIBRATION MODE} < 240$ or
 - b) WITHOUT PLATFORM MOUNTED, $90 < \text{CALIBRATION MODE} < 140$;
- then the scale does not need any zero adjustment or offset frequency adjustment

To adjust the zero offset (calibration mode) to read within the range of . 200 to . 240 (with platform) by turning potentiometer of VAR2. (Refer to figure below)



(If more than > 240 the scale calibration mode need to be adjusted this way and vice versa)

Legends:-

- VAR1 = 500 ohm (501) multiturn variable resistor to adjust weight.
 VAR2 = 10 Kohm (103) multiturn variable resistor to adjust zero or calibration mode.

- 5) To increase the frequency (if scale shows wait -80), adjust the variable resistor in the ANTI-CLOCKWISE direction. To decrease the frequency (if scale shows E.E), adjust the VAR2 (variable resistor) in the CLOCKWISE direction. Please turn this VAR2 until the reading on the LCD shows the desired range.
- 6) If the calibration mode on LCD display shows:-
 “. 240”, then place a standard weight of say 2000g weight on the scale’s platform and adjust now the span by turning VAR1 to read (240+2000= .2240) on the LCD display. (refer to above figure for which potentiometer to be used) Or use any other standard weight and adjust accordingly.
- 7) Remove the standard weight now, and read the calibration mode again, if it is not “. 240, please repeat the adjustment on VAR2 again, please turn the VAR2 until the LCD display shows “. 240”

without any weight. Then repeat the step (6) for the span or weight adjustment until the desired calibration is achieved.

- 8) Re-place the 2000g weight to the platform and readjust the VAR1 weight mode to read as “.2240”.
if **scale shows .2240 with this standard weight on the platform and when weight is removed, the LCD must display “ . 240” then the scale is well calibrated and ready for operation.**

Caution:

The maximum weight readable by this scale type = 2250 gm as a stopper to prevent overloading is located underneath the loadcell.

9) Please repeat the procedure 5) to 8) until scale is calibrated to requirement. You may use other standard weights to calibrate the scale.

10) Remove the screw driver, close the case and fasten back the screws to its original position. If the case of the scale is dirty please wipe the case with household kerosene and please ensure no kerosene is splashed on the keyboard circuit and overlay as it may remove the adhesive in the long run.

SPECIAL INSTRUCTION:-

TO GO INTO CALIBRATION MODE ROUTINE PLEASE FOLLOW THE STEP INDICATED BELOW AND LCD WILL DISPLAY AS FOLLOWS:

8.8 8. 8 STEP 1. PRESS **ON/OFF** KEY

- - - - STEP 2. PRESS **TARE** KEY AND **HOLD IT MOMENTARILY** WHILE DEPRESSING THE **ON/OFF** KEY AGAIN. AFTER 1-2 SECS RELEASE BOTH KEYS TO GET THE FOLLOWING DISPLAY ON LCD SCREEN.

].7 7.7

6.66.6

5.55.5

4.44.4

3.33.3

2.22.2

1.11.1

X.XX.X LCD WILL DISPLAY A NUMBER, IF THE SCALE SHOWS **“-80” OR “E.E”**, WHICH IS THE OFFSET FREQUENCY NEED TO BE ADJUSTED.....PLEASE USE THE ABOVE PROCEDURES TO CALIBRATE.