

## **PREPARING THE COMPULOAD 3000 Mk II Ver 1.12 FOR CALIBRATION STATIC WEIGHING MODE**

With the COMPULOAD is installed and connected both to the electrical system and the hydraulic system the indicator should show a reading once the battery is connected.

The COMPULOAD 3000 is a very intelligent and precise instrument and will suit many applications consequential has to be "set up" to suit the individual application. This section outlines the functions (hereafter referred to as FUNC) and their purpose. We have made every endeavour to describe the functions and their use in easy to follow instruction. If in doubt leave the setting as it is, the instrument will most probably still work OK, then contact the supplier who will advise a possible more suitable setting.

NOTE 1        When the application is known the settings will be set as near as possible prior to leaving the factory.

The various functions are grouped and protected by either a two (2) digit LOW security code or a four (4) digit MANUFACTURERS security code. These codes are entered using the UP/DOWN keys.

NOTE 2        Holding the UP or DOWN key in allows the access code to be reached quickly. A short wait (two seconds) lets the cursor move to the right to allow numerals to be altered by lower increments

The functions are accessed by pressing FUNC and then LOAD until the required function is displayed. The operator accessible and low security functions must be selected and by-passed prior to having access to the following high security set up functions. Enter security codes when requested using the UP/DOWN keys (see Note 2 above) then press LOAD. All set-up functions are High security number protected. The set-up functions are as follows and are confirmed and saved with the LOAD key. The CLEAR key allows exit without saving or altering the selection.

### **PREPARATION FUNCTION CHART**

<b>FUNC</b>	<b>PURPOSE</b>
1. External Trigger	Determines action required from magnetic switch. When in Options are <ol style="list-style-type: none"><li>Does nothing.</li><li>Holds reading only.</li><li>Holds reading and adds it into TOTAL</li></ol> <p style="text-align: center;"><b>USE DOES NOTHING</b></p>
2. Set Alarm Weight	Allows an alarm to sound when the "total" weight is reached.
3. Set Tare	Allows a tare weight to be entered
4. External Printer	Turns optional printer ON or OFF as required
5. Print Grand Total	Prints progressive Grand Total on ticket
6. Grand Total	Allows progressive Grand Total to be viewed

ENTER CODE	At this stage enter the LOW security code (99)
7. Overload Allowed	Allows a percentage over and above the Alarm weight (FUNC 2) to be exceeded
8. Set Channel	Allows the Compuload to store a second set of calibration values
9. Span Adjustment	Allows minor (up to 10%) span adjustment
10. Set Time	Press FUNC then adjust the time.
11. Set Date	Press FUNC then adjust the date

#### ENTER THE MANUFACTURERS CODE (2153)

1 Set Hold time	Hold time in seconds weight will be displayed once obtained. (Does not apply for Static Weighing)
2 Set Load time	Time in seconds allowed between each add of weights into total.
3 Set Need time	Time in seconds amount of weight required to reach truck total will be displayed
4 Set Units	Allows weight to be displayed in Kg/T/Lb or blank.
5 Set decimal point	Allows decimal point position to be set.
6 Set Resolution	Allows display to increase in the selected increment.
7 Set negative numbers	Allows negative readings to be turned ON/OFF.
8 Set Stability	Only accessible in "static" weighing mode (see 13 weighing method) Causes display to blank out while pressures are changing or unstable. 0 = turned off. 1 = max. 100 = min.
9 Set filter	This is digital filtering and removes unwanted signal spikes 0 = lowest 8 = highest
10 Set Sample rate	Determines the number of sample readings taken per second in multiples of ten (10 = lowest, 100 = highest).
11 Set Input F.S.D	Shows typical maximum allowable millivolt Input together with F.S.D. (Full scale deflection) with machine fully loaded and at weighing point set input as high as possible without going into over-range (-----)



## CALIBRATING THE COMPULOAD 3000

### Static Mode

After scrolling through the parameters the Compuload will show  
**Calibrate Zero "NO"**

Press UP or DOWN keys to display "YES"  
Press LOAD

Raise the empty bucket up to the pre-determined weighing reference and lower slightly and slowly (as described in operators instruction section ).  
Press the "FUNC" key The display will show

**"FUNC END"**

then

**"Calibrate Gain NO"**

Press UP or DOWN key to display "YES" Press LOAD

Display will show **"Calibrate Gain"**  
**" Cur WT XXXX"**

Apply the known weight to the load area

Raise known weight to the weighing reference (as described in operator instruction.)

Then press FUNC.

Display will change to **"Enter Weight"**  
**"XXXX"**

Key in known Calibration Weight with UP/DOWN Keys

Press "LOAD" Key. Display Will Show:

**"CALIBRATION END."**

Then Show

**"Check Cal NO"**

Use UP or DOWN key to select **"Yes"**

Press LOAD or Press CLEAR for two seconds to exit the calibration mode

This concludes the calibration process!!