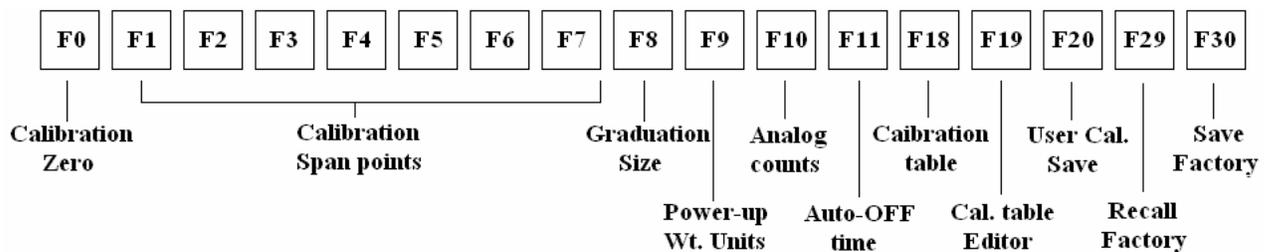


Massload Technologies LCD indicator
WP-WW-LCD & ML-USLCD

Turn the display “On” by holding the <On/Off> key.

To enter the programming and calibration mode, access must be gained to the configuration switch located at the rear of the display. Dependant on the application there may be a cover plate that will need to be removed. Once exposed, lightly press the switch button. The display should now show “F0”

Moving around in the “F” (set-up) menu:



1-Think of this menu as a long line of boxes going left to right. “F0” is the first box on the far left and “F30” is the last box on the far right.

2-To drop down into a specific box press the <Zero> key (the down arrow). The four keys with arrows will allow you to view the information in the box and/or input new information.

Note that if you are keying a specific value, as in a known weight, the digits move from right to left as they are entered.

Example: to key in 1420.

<On/Off> = 1

<Gr/Net> = 10

<On/Off> x 4 = 14

<Gr/Net> = 140

<On/Off> x 2 = 142

<Gr/Net> = 1420

3-When inside one of the boxes and you wish to save any changes you made use the <Enter> key and follow the prompts on the display. [Usually when changes have been successfully saved you will be moved out of the box and back to the “F” menu line.]

“F” Menu (set-up) parameters explained:

F0 – This is the parameter that is used to input all calibration points (also see F7 and F9 before starting). The indicator requires a minimum of two calibration points with the “zero point” as the first. Up to five additional weight points can be used and each time a calibration point is entered, the indicator automatically moves to the next available point. Important: All calibration points **MUST** be entered in a “build-up” manner. Attempting to insert a calibration point between two valid points will make the display lock up or display an error as well as become non-functional until a valid calibration set is performed!

F1 through F6 – For most applications, these parameters need not be accessed, altered or adjusted. These are the actual linearity correction points and are only accessed after a full calibration set has been performed and saved.

F7 – This parameter is an extremely important part of the calibration procedure. Prior to using “F0” to input a new calibration set this parameter must be accessed and the function performed. By performing this function, all previous calibration data is erased and the calibration table is emptied in readiness for a new calibration set.

F8 – This parameter is for setting the “graduation size” (or counts by). The only available options are 10, 20, 50 or 100. The graduation size can be changed and should have little effect on the calibration.

F9 – This parameter is used to set the “power up” weighing units for when the scale is in normal “run” mode. Available options are lbs (factory default) or Kgs.

****Important note about units:** This display can only be calibrated using imperial units (lbs). If using metric weight to perform the calibration use this conversion: 1 Kg = 2.20462 lbs.

If Kgs are the preferred power-up default units, perform the calibration using lbs and then access this parameter again to change and set the units to Kgs.

F10 – This parameter is a diagnostic aid where the internal analog “counts” can be viewed. These analog counts should be relatively stable when connected to a load cell or cells. If a load cell or cells are connected and the weight on the load cells is stable, then the counts should be relatively stable. If these counts are drifting over a large range up

and down and very quickly then there is a very good chance that there is a problem with some component incorporated in the weighing system. i.e. damaged load cell, damaged wiring, damaged indicator, excessive moisture etc.

**The analog counts in no-load condition (zero weight) should be in the range of about 32,000.

**The analog counts with the scale at full capacity should not exceed 65,500.

F11 – This parameter is used to set the “Auto-Off time” in minutes. Available options are 10, 20 and 30 minutes.

F18 – This parameter is the “Calibration table” and is where calibration data is stored for diagnostic purposes. The information obtained from this parameter can be recorded for use with parameter F19.

F19 – This parameter is the “Calibration table editor”. Data obtained from parameter F18 can be input manually if the data had been previously recorded.

F20 – This parameter must be accessed and the function performed when a new calibration set has been installed. By using this parameter all calibration information is “stored” so that in the event of a power interruption (i.e. changing batteries etc) the data can be retrieved.

F29 – By accessing this parameter and performing the function, all set-up and calibration information is reset to values last saved when an F30 function was performed. If the last F30 function performed was by Massload Technologies then the original set-up and calibration information will be reloaded. Any changes to the set-up (i.e. graduation size, power-up units etc) made after the last F30 will be lost.

F30 – This parameter is the final step when exiting the programming and calibration mode and is especially important if a new calibration set has been performed by a qualified technician. To access this parameter requires that a password be entered. To obtain that password please contact Massload Technologies.