



Massload Hanging Crane Scale (ML-HCS)

| Capacities Covered | Suggested “Counts by” |
|----------------------------------|------------------------------------|
| 3 tonne (3000 Kgs) = 6615 lbs | ------(2 Kgs) = 5 lbs |
| 5 tonne (5000 Kgs) = 11025 lbs | ------(2 or 5 Kgs) = 5 or 10 lbs |
| 10 tonne (10000 Kgs) = 22045 lbs | ------(5 or 10 Kgs) = 10 or 20 lbs |

Programming & Calibration:

Note: In the below instructions where something =x, x is a number value.

- 1- Start with no load on the scale.
- 2- Power-up the scale.

- 3- Press & hold the <AC> button for about 3 seconds.
- 4- The display should show “-CAL-“.
- 5- Press the <Accu> button. The display should read “SET-P”
- 6- Press the <AC> button. The display should read “d=x”. This is where you program the scale divisions or “counts by” of the display. The options are 1, 2, 5, 10, 20, or 50. Use the <Accu> button to select the correct value for your application (see chart at top of page). When the correct value is on the display, press <AC> to confirm your selection. The display will move to “JZ=xd”.
- 7- Press <AC> button. The display will move to “TZ=x”.
- 8- Press <AC> button. The display will move to “SPd=x”
- 9- Press <AC> button followed by the <TARE/ZERO> button. This should result in the scale going back into the “run mode”, but further programming and the calibration still need to be performed.
- 10- Press & hold the <AC> button for about 3 seconds.
- 11- The display should show “-CAL-“.
- 12- Press <AC> button. The display should read “dot=x”. This is the number of decimal points and should be set to “0”. Use the <Accu> button to find the correct setting and then press <AC>.
- 13- The display should read a large number value and this is where the scale capacity is entered into the scale (see chart at top of page). The digit on the far left should be flashing. Use the <Accu> button to change the value of the flashing digit. When the correct value is displayed, press the <AC> button to call up the next digit to the right. Again use the <Accu> button to set the digit and again press <AC> to move to the next to the right. Continue until all digits are correct and press <AC> to confirm.
- 14- The display should read “CAL-0”. Make sure the scale does not have a load on it! Press <AC>. This should result in the display showing dashes across the screen.
- 15- Wait for the dashes to change to a number value. This is where the weight value of the calibration test weight is entered into the scale (the calibration weight should be at least 10% of capacity or more). Load the entire calibration weight on

- to the scale. Use the <Accu> button to change the flashing digit. When that digit is correct press the <AC> button to move to the next digit. Continue doing the same until all of the digits are correct for the calibration weight and press <AC> to confirm. This should result in dashes across the display.
- 16- Wait for the display to read “SET-P”.
- 17- Press <TARE/ZERO> and the system should now be ready to use.

OPERATION:

Key Functions:

<Hold/On/Off>

- Used to turn the scale unit “On” and “Off”. (Press and hold for approximately 3 seconds.)
- With the scale operating and the load applied becomes stable on the display, (two small LED lights to the bottom right of weight display are not flashing), press this key to “lock/hold” the weight on the display. Pressing the key again will cancel the “weight lock/hold”.

<Tare/Zero>

- Pressing this key will zero the display. The amount of weight that can be zeroed off is a small percentage of the scale capacity so if the weight on the scale exceeds the zero percentage, the scale will automatically “Tare”. In either case the display will go to zero. The small green LED to the bottom right of the weight display indicates which mode the scale is operating in. If the green LED is “on” then the scale is zeroed and remains in the “gross” mode. If the green LED is “off” then the scale is in the net mode (a “tare” has been entered). To clear an entered “tare” remove all weight from scale. Press and hold this key until the green LED light turns “on”.
- “Gross” mode: Normal weighing mode where the weight applied to the scale is displayed.
- “Tare” mode: An object, i.e. basket, chains etc, is hung from the scale and then “tared off”. Now only the weight of the product added to that object is displayed.

<ACCU>

This key is used to accumulate the weight of a number of lifts. When a load is applied to the scale wait until the display becomes stable and the two small LED lights stop flashing. Press this key and the weight on the display will be entered into the accumulation register. Follow the same procedure for all additional lifts. To view the total at any time, press and hold the key. The total should appear on the display.

<A.C.>

This key is used to clear the accumulation register.

Wireless remote:

NOTE: The small wireless remote keys perform the same function as those on the face of the scale with one exception. That exception is that the scale cannot be turned “on” with the wireless remote!

Key “A” = Hold/Off

Key “B” = Tare/Zero

Key “C” = Accu

Key “D” = A.C.

Specifications:

5 digit, 1.5” LED display.

Safe overload = 150% full scale

Temperature range: 5 to 35 degree C

Powered by 6VDC, 4 amp hour rechargeable gel cell battery

100 hour operation on fully charged battery c/w auto sleep feature

Built-in charger circuit. (Charger: 9 VDC, 500-800mA power supply [center positive]).

Load cell excitation = 5VDC