

The Maltby Digital Swingweight Scale is designed for those demanding clubmakers who want speed and accuracy when swing weighting golf clubs. Beside these two essential features, the scale has built in functions that allow clubmakers to weigh golf club components as well as partially assembled golf clubs to the nearest 0.1 gram or 1/3 of a swing weight.

GENERAL GUIDELINES & INSTRUCTIONS

The Maltby Digital Swingweight scale is a precision instrument that should give you years of trouble free operation providing that the following instructions are followed:

- Familiarize yourself with the scale parts prior to assembly and how the parts should be put together.
- Read and understand the manual carefully.
- Familiarize yourself with the calibration procedure.
- Familiarize yourself with the modes of operation, weighing and swingweighting procedures.

SCALE SETUP

Unpack the Maltby Digital Swingweight Scale and check that there are no parts missing or damaged. If parts are missing contact your service representative for assistance. The following parts are included:

- Basic unit with control panel and display
- Weight Post
- 500 gm Calibration Weight
- 9 volt AC/DC Adaptor
- 14-inch Fulcrum Weight Beam
- Instruction manual

SCALE ASSEMBLY

STEP 1

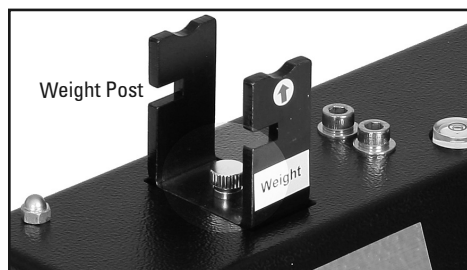
Locate the scale on a wobble free work top and with enough room to allow swing weighting golf clubs. It is best to locate the scale away from direct sunlight, heaters, duct vents, bench grinders and the like as they may interfere with the proper functioning of the scale.

STEP 2

Balance the base unit using the attached level. The base has four adjustable legs to assist in leveling the unit.

STEP 3

Removed the thumb screw and insert the weight post into the load cell receptacle. Do not push hard as this may damage the load cell assembly. Replace the thumb screw and tighten.



STEP 4

Remove the two top screws and loosen the two bottom screws of the securing brackets on the "V" balance post.

STEP 5

Slide the two round prongs on the weight beam into the two slots on the weight post and rest the "V" shaped prongs onto the "V" balance post.



STEP 6

Replace the two top screws into the securing brackets and tighten all four screws. When done, make sure the beam is seated properly and free to move without jamming.

STEP 7

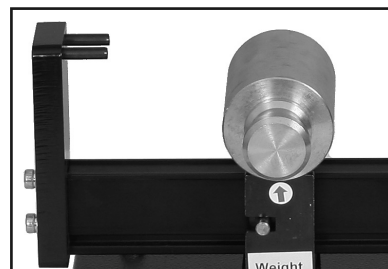
Plug in the AC adapter plug to supply power to the electronics.

STEP 8

Turn on the scale. When the start up procedure is complete the scale will read 0.0000" and the ready indicator will light up.

STEP 9

To make sure that the scale is properly setup place the calibration test weight on top of the weighting post. The display should read 500 grams ± 0.2 gram



OPERATING THE SWINGWEIGHT SCALE

ON Turns the scale On

ZERO Resets the display reading to 0 even if a part is on the weighing tray. Removing the part will show the part weight as a negative value.

MODE Used to toggle back and forth between Kgs, Grams, Lbs, Ounces and swingweights.

H-SET Locks the last reading on the LCD, even when no part is weighed. Pressing on the key again will clear the display for the next reading.

OFF Turns the scale off

READY Ready state indicator

OZ Ounce conversion mode indicator

GRAM Gram conversion mode indicator

KG Kilogram conversion mode

LB Pounds conversion mode



CHECKING THE SWINGWEIGHT OF A GOLF CLUB

Place the golf club in the weighing beam as you would with a conventional swingweight scale with the grip cap under the grip back stop and the shaft resting in the cradle. Press the "Mode" key until swingweight is displayed. Please be careful not to ram the golf club against the grip backstop as this may damage the load cell assembly.



CHECKING THE SWINGWEIGHT OF A GRIP-LESS CLUB

Lay a golf grip directly on the weighing beam with the butt end of the grip against the backstop of the beam. Place a grip-less golf club in the weighing beam as you would on a conventional swingweight scale (The golf grip may be held in position with a strip of tape). Please note the scale will need to be reset to "0" between weighing. To reset the scale just press on the ZERO key.



WEIGHING THE TOTAL WEIGHT OF A GOLF CLUB

Balance the golf club in the nested V on top of the weighing post. Press the "Mode" key to toggle between grams & ounces.



WEIGHT CONVERSION MODE

While the part is on the weighing tray: Press "MODE" once. The unit indicator will light up Kg/Lbs and the arrow indicator will move to the appropriate unit. Pressing on the mode key will cycle through the conversion process and the display will indicate the weight accordingly. Swing weight mode will function only when a club is on the weight beam.

WEIGHING COMPONENTS

To weigh golf club components such as club heads, grips and shafts, simply rest the part to be weighed on top of the weighing post.

CALIBRATION

The Maltby Digital Swing Weight Scale has been designed for a trouble free operation and factory settings will seldom require adjustments. In order to enhance accuracy it is recommended that the scale be checked regularly.

When checking the scale for accuracy the reading should be within +/- 0.5 gram. If not, a partial recalibration is required.

PARTIAL CALIBRATION

STEP 1

Press on "Zero-Mode-H-Set" simultaneously and then press "On" Do not release "Zero-Mode-H-Set" until the start up cycle is complete. LCD readout after startup cycle should be "00000".



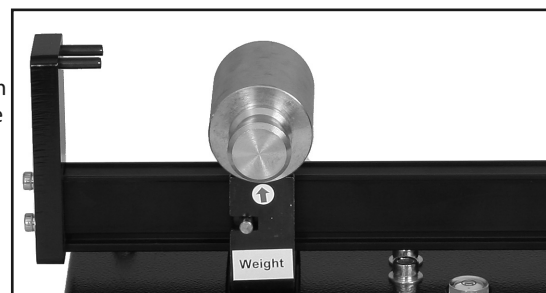
STEP 2

Press "MODE" to move one digit at a time from left to right. Use "Zero" to change the LCD value to 10000. Press "H-Set". The LCD readout will change to 00500.



STEP 3

Place the 500 gram calibration weight onto the weight post.



STEP 4

Press "H-Set", the LCD display will blank out. After few seconds the LCD will display a value of 500 (+/-0.5). If the value is within the (+/-0.5) gram range press "H-Set" The scale will auto-restart.

STEP 5

Remove the 500 gram calibration weight and press zero.

If during step 3 the value displayed is not within the range specified please call The GolfWorks Customer Service (1 800 848-8358) for more detailed calibration instructions.