



SENTINEL HOG SCALE QUICK SETUP REFERENCE GUIDE

SCALE CALIBRATION: Before calibrating the scale must be completely assembled, the load cells wired to the control unit and the scale placed and fixed in the pen.

Step 1 – Setting the control to the operating mode or “System On”.

- Push “**Menu + or –**” until the display shows “**01 General Settings**”
- Push “**Info + or –**” until the display shows “**01 System On/Off**”
- Push “**Settings +**”, the display should show “**0>On**”

Step 2 – Calibrating the Scale: To calibrate the scale properly two equal 30# weights must be used. (Note: The first five steps in the box below are required to display “hidden” menus such as “**98 Calibration**” or “**97 Installer Setting**” which will allow user input for scale calibration and load cell verification.)

- Push “**Menu + or –**” until the display shows “**01 General Settings**”
- Push “**Info + or –**” until the display shows “**08 Install Settings**”
- Push “**Settings +**”, the display should show “**1>Visible**”
- Push “**Info + or –**” until the display shows “**07 Operation Permit**”
- Press and hold “**Settings +**”, until the display shows “**2>Yes (Install)**” (Note: display will first show “**1>Yes**” before changing to “**2>Yes (Install)**”)
- Push “**Menu + or –**” until the display shows “**97 Installer Setting**”
- Push “**Info + or –**” until the display shows “**13 Weight Unit**”
- Push “**Settings +**”, the display should show “**1>Lbs**”
- Push “**Menu +**”, the display should show “**98 Calibration**”
- Push “**Info + or –**”, until the display shows “**01 Calibr. On/Off**”
- Push “**Settings +**”, the display should show “**1>On**”
- Push “**Info + or –**” until the display shows “**03 Calibr. Weight**”
- Push “**Settings + or –**” until the display shows “**60.0 lbs**”
- Push “**Info +**”, the display should show “**04 Calibrate Scale**”
- Push “**Settings +**”, the display should show “**1>Empty Scale**” (Note: The control will then automatically advance from “**1>Empty Scale**” to “**2>Put Weight**”). **** If the control does not automatically advance to “2>Put Weight” please refer to troubleshooting tips on reverse side.**
- Place one 30# weight on the platform directly beneath each load cell, then push “**Settings +**”. The display will show “**Calibration**” temporarily, automatically calibrate the scale and then change back to “**0>off**” (line 4 - Settings).
- Push “**Info + or –**”, until the display shows “**01 Calibr. On/Off**”.
- Push “**Settings –**”, the display should show “**0>Off**” (Note: It is necessary to turn off the calibration procedure to allow for correct scale weights.)
- To verify the calibration push “**Info –**” until the display shows “**02 Actual Weight**”. The weight displayed on the lowest line (line 4 – Settings) should be 60.00 lbs (with both weights still on the scale platform). Finally move the two weights randomly anywhere on the platform. The display should always show 60.00 pounds.

STARTING A NEW HERD: In order to start a new herd the control unit will need specific information such as starting weights, herd ID number, starting age and so forth.

- Push “**Menu + or -**” until the display shows “**02 Settings**”
- Push “**Info + or -**” until the display shows “**01 ID Number**”
- Push “**Settings + (or -)**” to choose a herd ID number (note: if no herd number is entered the control will use “0” as the herd ID number)
- Push “**Info + or -**” until the display shows “**02 Start Age**”
- Push “**Settings + (or -)**” to enter the approximate age of the herd (note: press and hold the **F3 key** to speed up (by factors of 10) entering the age information)
- Push “**Info + or -**” until the display shows “**03 Start Weight**”
- Push “**Settings + (or -)**” to enter the starting weight of the herd. This starting weight should be as accurate as possible (note: the **F3 key** can be used to speed up (by factors of 10) entering weights)
- Push “**Info + or -**” until the display shows “**04 Pigs Placed**”
- Push “**Settings + (or -)**” to enter the number of pigs in the pen (note: press and hold the **F3 key** to speed up (by factors of 10) entering the number of pigs)
- Push “**Info + or -**” until the display shows “**05 Standard Curve**”
- Push “**Settings + or -**” to select the weight curve (the breed weight curve data should be provided by the supplier). Leaving the Settings line at “**0>**” will tell the control that no weight curve is being entered. [If weight curves 1, 2 or 3 are selected more specific information will be entered under Menu’s 91,92 or 93.]
- Push “**Info + or -**” until the display shows “**07 Start New Herd**”
- Push and hold “**Settings +**” until the display shows “**1>Yes, Keep Hist**”. (note: shortly after releasing the “**+**” key the display will automatically revert back to “**0>no**”)
- Push “**Info + or -**” until the display shows “**08 # Weighings Avg**”
- Push “**Settings + (or -)**” to enter desired number of weights (note: press and hold the **F3 key** to speed up (by factors of 10) entering the weight information). This parameter is to determine how many pigs are weighed for each herd average as the pigs grow. The typical number entered is “100”. (Please refer to the Dual Hog Scale User’s Manual for further information.)

Troubleshooting tips:

- **** During calibration:** If during the calibration procedure the control will not automatically advance to “**2>Put Weight**” (after displaying “**1>Empty Scale**”) the load cell(s) wire connections should be verified for cross connections or improper wiring (please refer to the electrical installation diagrams located in the assembly manual). Finally the platform should be inspected to be certain that it is correctly located on the support brackets as to allow free movement.