

Digital Precision Scale for Olympic Easy-Lift™ and Versa-Lift™

Operator's Manual

Model FG10070
Part # MAN10070



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Display Functions

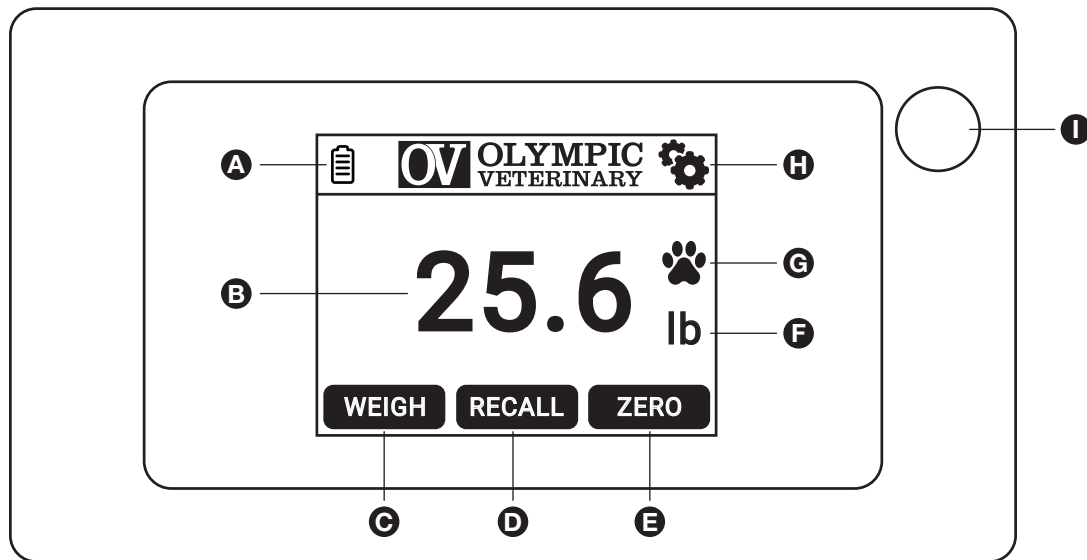




Figure 1
Display Home Screen

ITEM	DESCRIPTION
A Battery Indicator	Indicates remaining battery power level.
B Current Weight	Displays current patient weight. Touching the displayed weight will switch the weight reading to a QR Code for easy scanning. Touch again to switch back.
C WEIGH Button	Clear the Recall memory and start a new weighing cycle.
D RECALL Button	Recall the last saved weight. Recalled weight reading will be displayed. The RECALL button is only displayed in the Auto Hold weigh mode and when there is a weight value stored.
E ZERO Button	Resets Current Weight to 0.0 (LBS or KG). Touch the ZERO button before placing a patient onto the weighing platform and to erase the last saved weight. Ensure that nothing is in contact with the weighing surface during the procedure.
F Current Weight Unit	The unit of measure of the Current Weight. Change between LB or KG in the settings.
G Stable Weight Icon	The Stable Weight icon  blinks while actively weighing and then becomes steady when weight is stable.
H Settings Icon	The Settings icon  enters the system settings.
I Unit Power On	Touch to turn the display on. Display will automatically shut off after a period of inactivity (see Sleep Timer on page 6).

Operation

Using The Scale

1. Turn the scale on by touching the gold “Unit Power On” button.
2. Touch the “ZERO” button to clear the memory and zero the weight.
3. Weigh the patient. While the patient weight is stabilizing, the 🐾 icon will be flashing.
4. When the 🐾 icon moves from flashing to steady, the weight is stable. The patient’s weight can be recorded.
5. To weigh a new patient, touch the “WEIGH” button to reset the Current Weight to 0.0.
6. After a period inactivity (see Sleep Timer on Page 6), scale will turn off automatically.

Recall

If the Auto-Hold mode is enabled (see Settings on page 5), after a patient weight is stabilized, the weight will remain on screen and the orange “RECALL” button will appear. Touching the orange “RECALL” button will display the last stable patient weight in orange text.

The patient weight will remain in memory until it is replaced with a new stable weight reading, or the “ZERO” button is touched.

Battery

The scale system is powered by 6 replaceable D batteries. The current power level of the batteries is indicated by the Battery Indicator icon 🪫. As the battery is depleted, the indicator will lower in 25% decrements (Figure 2). When the battery level drops below 25%, the Battery Indicator will turn red and flash. If the battery level drops below 10%, the scale will not function until the batteries are replaced.

A fresh set of D batteries is expected to support several thousand weighings before needing replacement.

Battery Replacement

1. Locate the battery compartment on your lift or gurney. The compartment can be found on the side of the unit near the scale head (Figure 3).

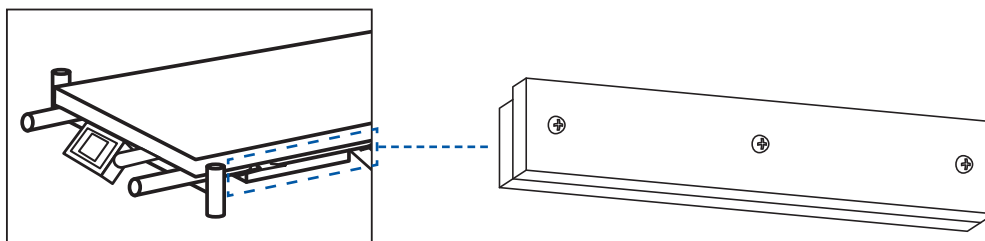


Figure 3
Replacing the Batteries

2. Remove the cover by unscrewing the three Phillips-head screws holding the cover in place.
3. Replace all 6 D batteries, and reinstall the cover. Take care not to overtighten the screws.

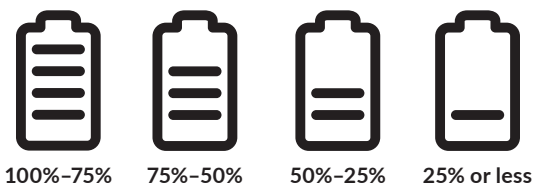




Figure 2
Battery Indicator Levels

System Settings

Accessing the Settings Menu

1. From the Home Screen (Figure 1), press the Settings Icon . A keyboard will appear.
2. Enter password “12345”.
3. Press the checkmark icon . The Settings Menu will appear on screen (Figure 4).

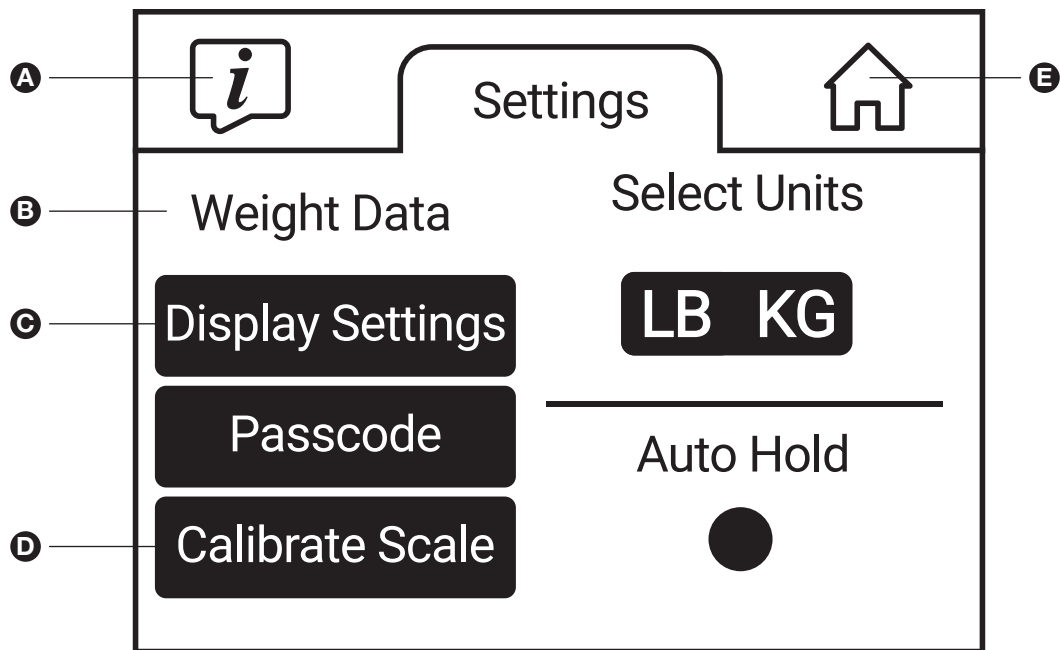



Figure 4
Settings Menu

ITEM	DESCRIPTION
A System Info	Touch to view Service Contact Info, Model Number, Software and Display Versions, and a QR code to service-related content.
B Weight Data tab	Default tab that opens when accessing the Settings. Set weight units (LB or KG) and Data Modes (Auto Hold or Continuous).
C Display Settings tab	Adjust the Sleep Timer and Key Click settings (see page 6).
D Calibrate Scale tab	Recalibrate the scale platform (see Page 7).
E Home Button	Press the Home icon  to exit to the Home Screen.

Weight Data Tab

Select Unit

Touch to switch the patient weight display to LB or KG.

Auto Hold

Touch the button to enable ☒ or disable ☐ Auto Hold.

If Auto Hold is enabled, Memory Recall mode will be enabled. This locks the stable weight of a patient on the display, holding until the weight is cleared or zeroed, the unit goes to sleep, or the unit is turned off. Memory Recall mode automatically stores the last stable weight into memory, activating the orange “RECALL” button on the home screen (see Recall on page 4).

If Auto Hold is disabled, Continuous weigh mode is activated. Patient weight will be displayed on the current screen and will move back to 0.0 when patient is removed. Patient weight will not be saved to memory and the “RECALL” button will be deactivated.

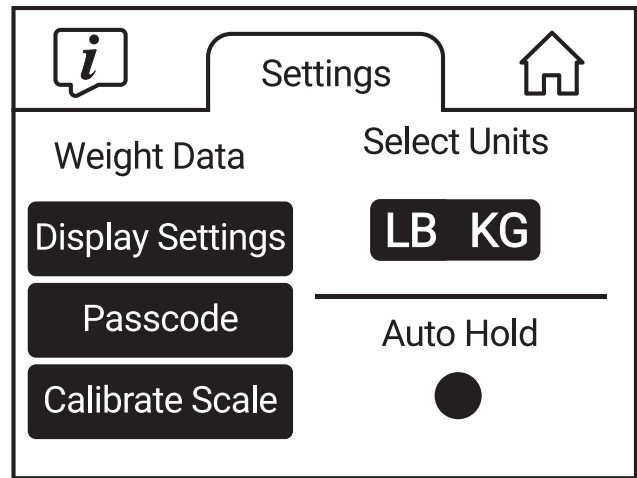


Figure 5
Weight Data Tab

Display Settings Tab

Sleep Timer

After a period of inaction, the display will automatically sleep to conserve battery. Touch arrows to set the time until unit sleeps from 30–90 seconds in increments of 5 seconds.

Key Click

Touch the button to enable ☒ or disable ☐ Key Click. Enabling will produce an audible “click” sound when touching the screen.

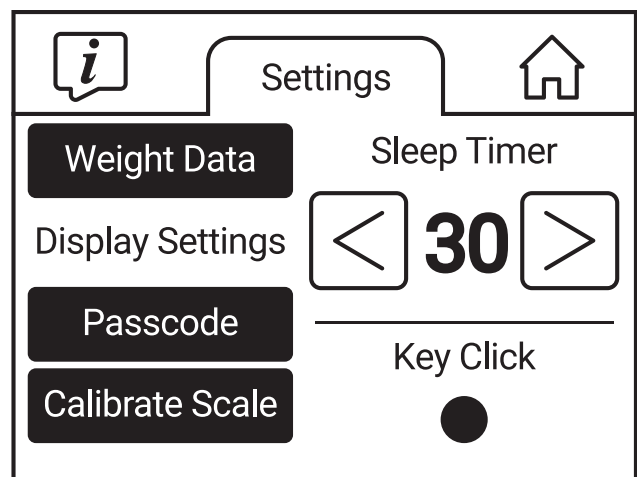


Figure 6
Display Settings Tab

Calibrate Scale Tab

Walks through the scale calibration process. For scale calibration, see page 7.

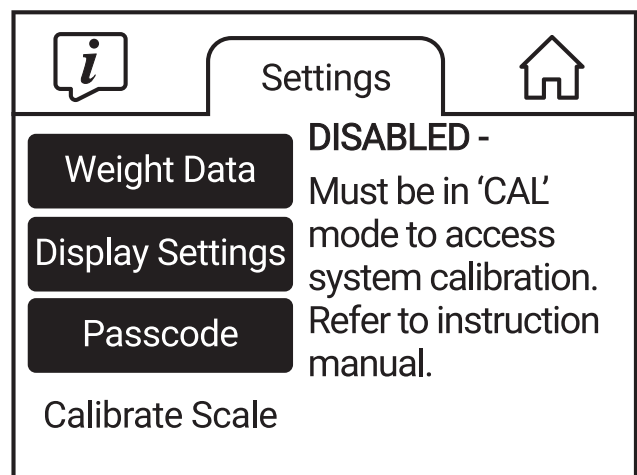


Figure 7
Calibrate Scale Tab

Calibration

Checking Calibration

Before calibrating the scale, confirm a calibration issue by performing a calibration check.

1. Ensure that nothing is in contact with the weighing platform during this procedure. Remove hands from the system when noting the displayed calibration results.
2. Select known calibrated weights (NIST Class 7).
3. From the Home Screen, press the ZERO button to zero the scale.
4. Place the calibrated weight on the scale. Wait for scale to stabilize; note scale reading.
5. Scale readings should be within Calibration Tolerance (Figure 8). If Current Weight reading is outside the Calibration Tolerance range, proceed to Scale Calibration.

CALIBRATION TOLERANCE TABLE (LBS)		
Low Limit	Applied Load	High Limit
99.8	100.0	100.2
199.6	200.0	200.4
299.4	300.0	300.6
399.2	400.0	400.8

Figure 8
Calibration Table




Equipment Alert

Do Not Use barbells or un-calibrated weights.

Scale Calibration Procedure

Prepare for Calibration

1. Select known calibrated weights (NIST Class 7).
2. From Home Screen, tap the Settings Icon  to enter the Settings menu. Touch the Calibrate Scale tab.
3. A “**DISABLED**” message will be displayed. To enable calibration, the scale must be switched to Calibration Mode. This switch can be found on the bottom of the display housing. After switching the scale to Calibration Mode, the Calibrate Scale tab will display a “**SYSTEM ZERO**” message (Figure 9).

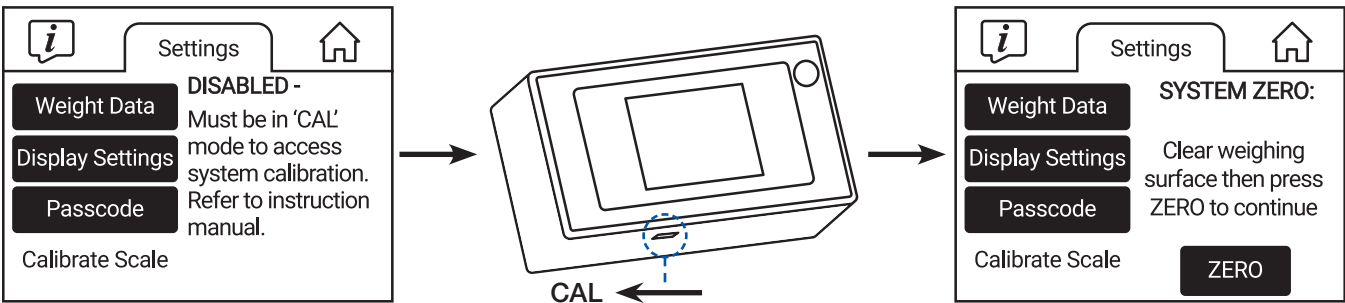




Figure 9
Enable Calibration Mode

The system is now ready to calibrate.

Calibrate the Scale

1. To begin scale calibration, remove all weight from the platform and press the ZERO button.
2. When the scale completes zeroing, the “**Calibration Weight**” screen displays (Figure 10).
3. Place the chosen calibrated weight on the scale, then touch the “**Enter...**” field.
4. A keypad will appear, then enter the value of the calibrated weight on the table top. Press the checkmark icon ☒ to verify value entry. The keypad will close and go back to the “**Calibration Weight**” screen.
5. Select the unit of measure that matches the units selected under the Weight Data tab (LB or KG).
6. Press **Save**  to calibrate the scale.
7. When the calibration is complete, the display will read “**Done**”. Touch the green checkmark icon ☒ to return to the Calibrate Scale tab. Remove the calibrated weight, touch the Home icon  to return to the Home Screen, and switch the unit back to Run Mode (Figure 11).

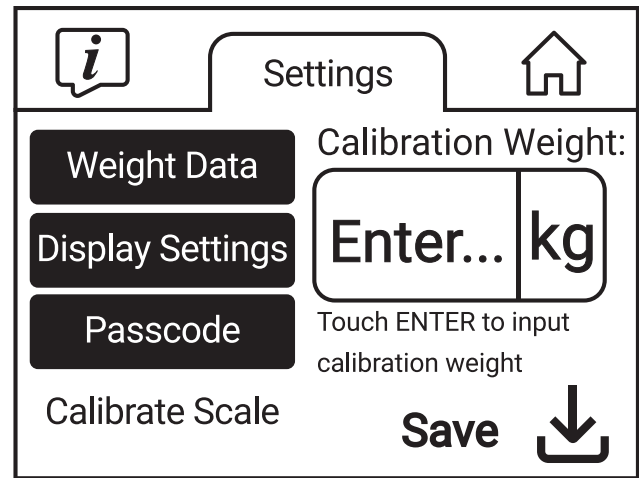


Figure 10
Calibration Weight Screen

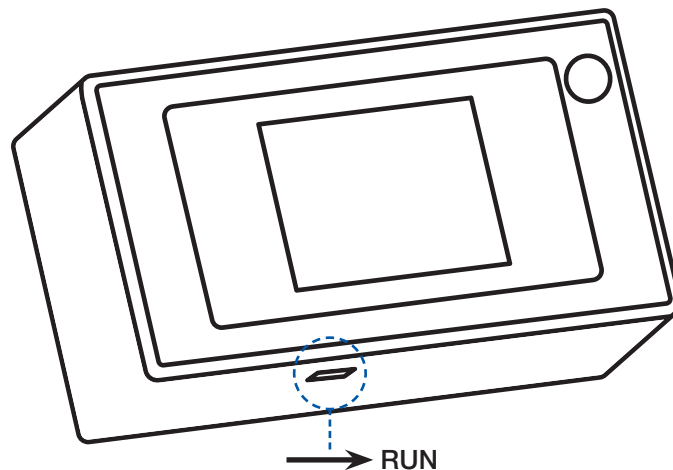


Figure 11
Switching Scale to “RUN”

8. Perform a calibration check to ensure the system is correctly calibrated (see Checking Calibration on page 7).



Equipment Alert

Qualified service personnel only should perform this procedure. Load cells have no user serviceable components and should not be tampered with for any reason. Re-calibration is generally not required, but should be verified periodically to ensure accuracy. The recommendation for calibration check is at least once every 12 months, or as individual maintenance policy requires.



Equipment Alert

The integrated circuits and semiconductors on the printed circuit boards may be damaged by electrostatic discharge (ESD). Be sure to use proper handling precautions at all times.

Troubleshooting

SYMPTOM	REASON / CORRECTIVE ACTION
Display reads LOW	Ensure scale is on a level surface. Examine scale to ensure there are no mechanical interferences with the weighing surface.
Displayed weight not responsive to changes in applied weight	<p>From the Home Screen, navigate to the Weight Data tab under System Settings and disable Auto Hold mode.</p> <p>Ensure Signal Cable is connected at the load cell junction board. There should be a weight difference between having the Signal Cable connected compared to being disconnected.</p>
Display does not turn on	Power may be lost. Check and/or replace the D batteries. Inspect display cable to ensure the cable/wires are not pinched.
Display reads incorrect weight	Scale may need to be calibrated. Follow the Calibration steps on Page 7. If Calibration fails to cure the problem, call Olympic Veterinary Service at 800-789-6867.

Contact Us

Olympic Veterinary Corporation, Customer Service
16040 Christensen Road, Suite 205
Tukwila, WA 98188

Phone: 800-789-6867

Email: Service@OlyVet.com