**Health o meter®**

P r o f e s s i o n a l

# 1100KL / 1100KG
# Digital Platform Scale

**MET®**
c      us

E112697

**Equipped with Everlock®**

# User Instructions

**PELSTAR®, LLC** **9500 West 55th St. McCook, IL 60525-7110 USA**   **www.homscales.com**
Health o meter® Professional 1100KL
Health o meter® Professional 1100KG

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**weigheasier®**

**Health o meter®**
Professional

Thank you for purchasing this Health o meter® Professional product.  Please read this manual carefully, and keep it for easy reference or training.

## TABLE OF CONTENTS

## <u>Note:</u> This scale has been factory calibrated, and does not require calibration prior to use.

Please register your scale for warranty coverage at:

www.homscales.com/product-support/technical-support/product-warranty-registration

For User Instructions updates and revisions please go to:

www.homscales.com

# CAUTIONS AND WARNINGS

## INTENDED USE

This Health o meter® Professional platform scale is intended to be used in a professional medical environment by trained medical staff. This product was designed to weigh patients who are safely positioned and standing on the platform. If a height rod is attached to the scale, the intended use of the height rod is to measure patient height. Do not modify the product or use it for anything other than its intended purpose.

**To prevent patient/caregiver injury or damage to your scale, please follow the instructions in this user manual very carefully.**

- Do not exceed the weight capacity specified for this scale.
- For accurate weighing, this scale must be placed on a flat, stable surface.
- For accurate weighing, verify before each use the proper operation according to the procedure described in this manual.
- Do not use in the presence of flammable or explosive materials.
- If the scale becomes damaged, it should not be operated until properly serviced.
- Do not wheel or pull the scale down stairs, doing so may damage internal parts.
- Ensure that the AC adapter and scale do not come in contact with liquids, excessive temperature, or excessive humidity.

**Patient/caregiver safety**

- This scale is designed for static weighing of patients only. No scale should be used for patient transfer.
- To prevent patient injury, the patient must be attended throughout the entire weighing event. Caregivers should ensure that the patient is stable and provide support as needed when getting onto and off of the scale.
- Patient should wear socks or other form of lightweight foot covering during weighing event.

**When operating the scale with the AC adapter:**

- Operate this scale exclusively with the AC adapter that is provided (ADPT30). Use of an unspecified adapter will void the warranty, and can pose a serious safety hazard.
- Prior to using this scale, inspect the AC adapter cord for cracking / fraying, or for broken / bent plug prongs.
- Prior to using this scale, ensure that the AC adapter is plugged into an outlet with the rated voltage appropriate for operation.
- Ensure that the AC adapter outlet is wired to a circuit breaker or other protected power source.
- Unplug the AC adapter, and carefully store both the adapter and adapter cord before moving the scale.
- Operating this scale at voltages and frequencies other than specified can damage the equipment and will void the warranty.

**When operating the scale with batteries:**

- If the scale's battery icon indicates that the batteries are low replace the batteries or switch to the AC adapter as soon as possible.
- When replacing / inserting batteries, be sure to use all new batteries.

This equipment has been tested and found to comply with the EMC limits for the Medical Device Directive 93/42/EEC (EN 55011 Class A and EN 60601-1-2).  These limits are designed to provide reasonable protection against harmful interference in a typical medical installation. The equipment generates, uses and may radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to other devices in the vicinity. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to eliminate the interference by one or more of the following measures:

- Reorient or relocate the receiving device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device(s) is connected.
- Consult Customer Service or a field service technician for help.

**In no event whatsoever shall Pelstar®, LLC be liable for damages or injuries whatsoever arising out of or connected with the assembly, use, or misuse of its products.**

# SPECIFICATIONS

## General

This scale uses highly sophisticated microprocessor technology. Each precision scale is designed to provide accurate, reliable and repeatable weight measurements.  This scale uses motion-sensing weighing technology to determine the actual weight of a moving patient.

The 1100KL displays weight in pounds (lb) or kilograms (kg). Refer to Page 11 to learn more about configuring the weight measuring unit setting. The 1100KG displays weight in kilograms only.

The scale can be powered using an AC adapter (ADPT30 included), or by 6 D batteries (not included).

## Scale Specifications

| | |
|---|---|
| Capacity and Resolution | 1100KL: 1000 lb x 0.2 lb  (454 kg x 0.1 kg) <br><br> 1100KG: 454 kg x 0.1 kg |
| Power Requirements | Adapter Model No. UE15WCP1-090050SPA, Part No. UE160714HKKK1-P <br> or <br> Adapter Model No.  UES06WNCP-090050SPA, Part No. UE190716HKSH1RM <br> Health o meter® Professional Model (ADPT30) (included) <br> Input: 100-240VAC, 50/60Hz, 500mA <br> Output: 9.0V $\overline{---}$0.5A <br><br> or 6 D batteries (not included) |
| Environmental | Operating temperatures: 50°F to 95°F (10°C to 35°C) <br> Storage temperatures: 30°F to 125°F (0°C to 50°C) <br> Maximum Humidity: 85% RH |
| Physical Dimensions | **Platform** <br> Length: 15 3/4" (400 mm) <br> Width: 22" (559 mm) <br> Height: 2 1/2" (64 mm) | **Assembled Size** <br> Length: 31 1/4" (794 mm) <br> Width: 31 3/4" (806 mm) <br> Height: 49 1/2" (1257 mm) |

Scale information can be found by pressing [Help] and selecting "Scale Info" in the submenu.  This screen provides model number, capacity, calibration weight, the most recent field calibration date, number of field calibrations and software version.

# DEFINITION OF SYMBOLS

Attention: Consult Accompanying Documents          Caution          Do not dispose of this device in the domestic waste stream.

Type B Applied Parts          DC Power Supply

The scale surface, along with the height rod, (if provided) are the Type B applied parts.

**Certification**

| | |
|---|---|
| **ISO13485:2016** C E R T I F I E D  **ISO 9001:2015** C E R T I F I E D | Pelstar®, LLC has been officially certified as the manufacturer of Health o meter® Professional medical devices. The Pelstar®, LLC quality assurance system covers the development, production, sales and service of medical scales and measuring systems. |
| **MET** c us  E112697 | Complies with: ANSI/AAMI ES60601-1 (2005) + AMD 1 (2012), CAN/CSA-C22.2 No. 60601-1 (2014), IEC 60601-1-6 (2010 ) + AMD 1 (2013) |

All Health o meter® Professional scales are manufactured in FDA-registered factories.

**Connectivity Information**

To enable reliable transmission of weight, height, and Body Mass Index (BMI) data, this scale is designed to connect to a computer, monitor, or other electronic device via USB or Pelstar® wireless technology. This connectivity helps minimize a source of potential medical errors caused by incorrectly copying and then recording patient data.  For more information regarding how to connect the scale to other electronic devices, please contact Health o meter® Professional Scales Technical Support, available during normal business hours at 1-800-638-3722.

**Note:** If this product was purchased as a "BT" model, refer to the Wireless Communication Set Up Instructions included with the packaging.

**Scale Disposal**



This Health o meter® Professional scale must be disposed of properly as electronic waste.  Follow the national, regional or local regulations which apply to you for disposal of electronic waste or batteries.  Do not dispose of this device in the domestic waste stream.

# ASSEMBLY INSTRUCTIONS

## Before Assembly

Carefully inspect the carton for shipping damage before unpacking. If damage is found, contact your shipper or a Health o meter® Professional representative immediately at 1-800-815-6615. Claims must be filed with the shipper as soon as possible after receipt of the package. The following information details what you will find inside the main carton as you unpack the parts for assembly.

To prevent scratching any components, carefully remove each assembly from the carton and unwrap the packing materials. Set the carton aside for storage. To avoid damaging the scale parts when unpacking, do not use a box cutter, knife, scissors, or any sharp object to open the protective inner packaging.

## Parts List

(2) Side handrails
(1) Center handrail
(1) Scale platform/base
(1) Phillips head screwdriver
(1) Brown box containing:

- (1) Box containing the AC adapter
- (1) Display Head
- (1) User Information
- (1) White box containing:
  - ○ (4) Feet
  - ○ (1) AC adapter holder
  - ○ (1) 5mm Allen wrench
  - ○ (1) 8mm Allen wrench
  - ○ (1) Plastic bracket cover
  - ○ Hardware for assembly:
  - A - M10 1.5 x 40mm bolts, Qty.4
  - B - M8 1.25 x 20mm bolts, Qty. 4
  - C - M4 0.7 x 10mm screws, Qty.6 for assembly, 1 spare
  - D - #8 ½" sheet metal screws, Qty. 2
  - E - M8 washers, Qty. 4
  - F – Display support covers, Qty. 2



Brown Box Contents



White Box Contents
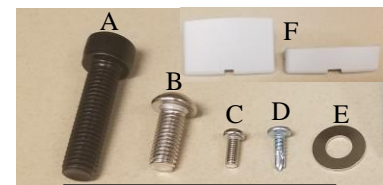


Hardware Detail

## Tools Required

Phillips head screwdriver (included), Allen wrenches (included)
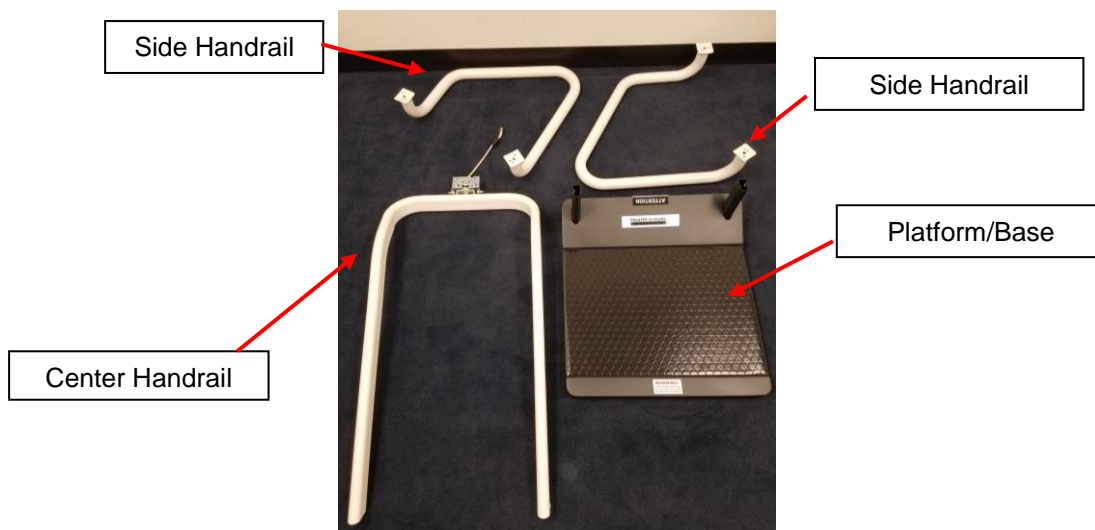


Side Handrail

Side Handrail

Platform/Base

Center Handrail

# ASSEMBLY INSTRUCTIONS (CONT.)

**Health o meter® Professional Scales recommends that assembly be performed by two people.**
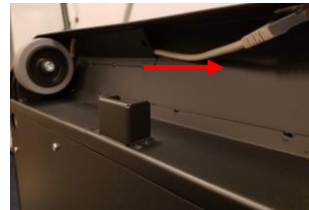**Warning: Do not drop scale, as this can permanently damage the load cells.**
**Caution: Do not insert the batteries into the display head until it is mounted onto the scale.**

| | |
|---|---|
| 1. Remove the scale platform/base from the carton and place on a flat, level, and dry surface with the Health o meter Professional logo facing you. Locate the center handrail and the load cell cable protruding from the bottom of the right side. Feed the load cell cable into the handrail support on the right side of the scale platform. Feed the cable through the support and out through the hole behind the wheel on the underside of the platform. Ensure that the cable is fed through the hole towards the top of the wheel, not through the channel next to wheel. |  |
| 2. Grasp the load cell cable protruding from the bottom of the platform and feed it through the protective metal shield. |  |
| 3. Plug the load cell cable into the load cell port located on the bottom of the platform. |  |
| 4. Position the center handrail onto the left and right handrail supports on the scale platform. Be sure not to pinch the cable. Place the four M8 washers (Part E) onto the four M8 1.25 x 20mm bolts (Part B) and insert into the mounting holes on the handrails and into the handrail support. Lightly tighten using the included 5mm Allen wrench. Do not over-tighten. |  |

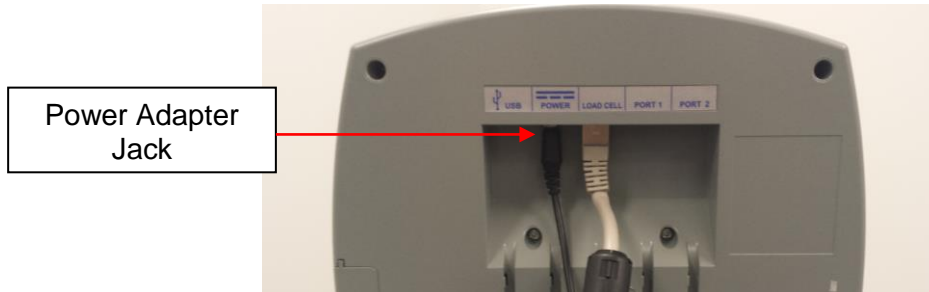| | |
|---|---|
| 5. Align the left and right side handrails with the mounting holes in the center handrail. Insert the four M10 1.5 x 40mm bolts (Part A) through the side handrails into the mounting holes in the center handrail. Lightly tighten using the 8mm Allen wrench. |  |
| 6. Facing the scale, pull the side handrails toward you to tip the scale and gently place it face down on the floor. Thread the four feet into the underside of the platform. Each foot should be completely hand tightened then back the feet out 1-½ full turns. This allows for proper load cell operation. |  Ensure that the spacer spring is on the bolt of the foot before inserting into the platform. |
| 7. Carefully tilt the scale back to an upright position on the floor. **Warning: Do not drop scale, as this can permanently damage the load cells.** Adjust the feet to level the scale. Be certain that the feet are not completely tightened into the platform. Pull the excess cable through the top of the center handrail. |  |
| 8. Obtain the display head and align the tab slots on the back of the display head with the tabs on the silver display support. Slide the slots on the display head onto the tabs in the bracket. |  Slots on back of display head  Slide slots onto tabs in bracket |

| | |
|---|---|
| 9. Align the four holes on the back of the display head with the four mounting holes on the silver display support. Using the four included M4 0.7 x 10mm screws (Part B), fasten the display head onto the display support using a Phillips head screwdriver to tighten the screws. |  |
| 10. Obtain the plastic bracket cover. Clip the load cell cable into the divot in the middle of the cover and align the cover over the silver display support. Obtain the two remaining M4 0.7 x 10mm screws (Part C). Using a Phillips screwdriver, attach the bracket cover over the silver display bracket. |  |
| 11. Plug the load cell cable into the load cell port on the rear of the display head. |  |
| 12. Attach the two display support covers (Part F) on the front and back of the scale as shown. Scale assembly is complete. See Powering the Scale on page 10 for battery/AC adapter instructions. If powering the scale via AC adapter, see the next step for attaching the adapter holder. |  |
| 13. **Optional Step – For powering the scale via AC power adapter.** Attach the adapter holder to the handrail using the two included sheet metal screws (Part D). Use a Phillips head screwdriver to tighten the screws. |  |

# SET-UP INSTRUCTIONS

## Powering the Scale

Plug the AC adapter into the power adapter jack (the jack is located on the rear of the display head), then plug the scale's AC adapter into the power source.

**Warning:** To avoid a safety hazard, do not use an unspecified AC adapter. Only use the Health o meter® Professional AC adapter model ADPT30 designed for this scale.



Power Adapter Jack

For battery operation, see Battery Installation below.

## Battery Installation

| | |
|---|---|
| 1. If connected, unplug the AC adapter from the power source. Use a Phillips head screwdriver to remove the battery cover on the side of the display head by unscrewing the battery cover screw. |  |
| 2. Remove the battery pack from the display head. Replace or install fresh batteries, making sure to install them in the proper direction.  Health o meter® Professional recommends using an alkaline battery rated for 130°F (54°C) operation.  Do not use Zinc-Carbon batteries. |  |
| 3. Re-insert the battery pack into the display head, ensuring the end with the silver contacts is inserted facing the inside of the display. Re-attach the battery cover to the display head by replacing the battery cover screw. |  |

**Warning:** If the scale will not be used for some time, remove the batteries to avoid a safety hazard. Disposal of batteries must be performed in accordance with the prevailing national, regional or local regulations that apply to you.

# SET-UP INSTRUCTIONS (CONT)

**The scale must be powered on before performing any of the following operations. Press ⏻ to turn on the scale.**

<u>Unit of Measure Configuration / Unit Lock</u>

**(This feature is not available on KG models)**
The weight measuring unit (pounds/LB or kilograms/KG) can be changed by pressing **Unit**.
Follow this procedure to lock the weight measuring unit into LB or KG only.

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press **⬇** to select "Set Options". Press **➡** to advance to the next menu.

3. "Units Lock" is the first setting listed in the "Set Options" sub-menu. With "Units Lock" highlighted in red, press **➡** to change the "Units Lock" option. Choose "Unlocked", "LBS Locked", or "KG Locked".
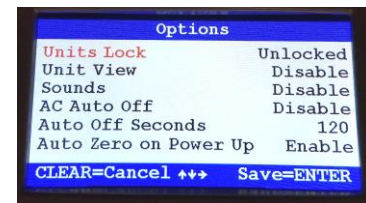
    *Note:* You must press **Enter** to save your selection.

**Note:** To permanently lock the weight measuring unit, see the Everlock® section on page 14.

<u>Enabling Unit View with Unit of Measure Locked</u>

**(This feature is not available on KG models or models with a date code with the last two digits lower than 18)**
If the scale is locked per the instructions above, users can still view the alternate weight measuring unit by enabling the "Unit View" option. Enabling the "Unit View" option allows the user to press the **Unit** button to briefly display the weight in the alternate weight measuring unit. After releasing the **Unit** button the display will return to the locked weight measuring unit. The "Unit View" default setting is "Disable". Follow this procedure to enable "Unit View" when the weight measuring unit is locked.

**Note:** If Everlock® is engaged this feature is not available and the setting will show as "Everlocked".

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press **⬇** to select "Set Options". Press **➡** to advance to the next menu.

3. While in the "Set Options" sub-menu, press **⬇** to scroll through the options until "Unit View" is highlighted in red.

4. Press **➡** to change the "Unit View" option. Choose "Enable" to allow the user to view the weight in the alternate weight measuring unit. Choose "Disable" to completely disable the **Unit** button when weight measuring unit is locked.
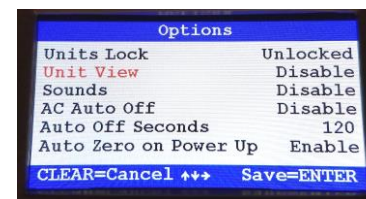
    *Note:* You must press **Enter** to save your selection.

# SET-UP INSTRUCTIONS (CONT)

## Setting Sound Options

The display can be set to stay silent or beep while operating the scale. Follow this procedure to set the preferred option.

1. Press [Help] to access the Help menu options.

2. While in the Help menu, press [↓] to select "Set Options". Press [→] to advance to the next menu.

3. While in the "Set Options" sub-menu, press [↓] to scroll through the options until "Sounds" is highlighted in red.

4. Press [→] to change the "Sounds" option. Choose "Disable" for the display to stay silent while operating the scale. Choose "Enable" for the display to beep while operating the scale.

    *Note:* You must press [Enter] to save your selection.
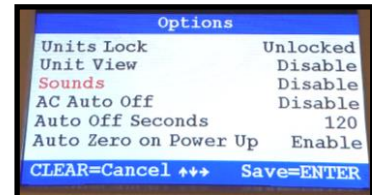
## Activating/Deactivating AC Auto Off

When powering the scale via the AC adapter, the display can be set to power off after a period of inactivity. Follow this procedure to set the preferred option. **Note:** When powering the scale via batteries, the scale will automatically power off after a period of inactivity. See the next section to set the preferred time of inactivity before power off.

1. Press [Help] to access the Help menu options.

2. While in the Help menu, press [↓] to select "Set Options". Press [→] to advance to the next menu.

3. While in the "Set Options" sub-menu, press [↓] to scroll through the options until "AC Auto Off" is highlighted in red.

4. Press [→] to change the "AC Auto Off" option. Choose "Enable" for the display to turn off after a period of inactivity. Choose "Disable" for the display to always remain on.

    *Note:* You must press [Enter] to save your selection.
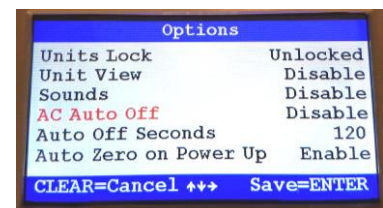
## Setting Auto Off Timer

When powering the scale via batteries or if Auto Off is Enabled for the AC adapter, the period of inactivity before the scale powers off can be set to a specific amount of time. Follow this procedure to set the amount of seconds of inactivity before power off.

1. Press [Help] to access the Help menu options.

2. While in the Help menu, press [↓] to select "Set Options". Press [→] to advance to the next menu.

3. While in the "Set Options" sub-menu, press [↓] to scroll through the options until Auto Off Seconds" is highlighted in red.

4. Press [→] to change the "Auto Off Seconds" option. Choose from 60, 90, 120, 150 or 180 seconds.

    *Note:* You must press [Enter] to save your selection.
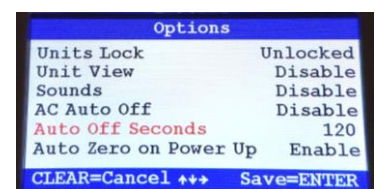
# SET-UP INSTRUCTIONS (CONT)

### Setting Auto Zero Option

When a scale is set to zero, it creates a reference point for weights that are placed on it. There are two approaches to how this can take place. This option allows the user to select whether the scale will re-set itself to ZERO each time it is powered up or whether it will use the zero reading from the last time it was zeroed.

- "Enable" means the scale will zero itself when it is powered on and this may take a few seconds. After each use, the scale will clear the weight of the patient and set itself back to the initial ZERO level it found on start-up. Health o meter® Professional recommends keeping this setting as Enable. **Note:** Hitting a key to wake the scale from sleep mode will not prompt the scale to zero.
- "Disable" means the scale does not attempt to find a zero when powered on, rather it will use the last zero setting it had from its most recent use. There will be no delay in using the scale if the Auto Zero is disabled. Health o meter® Professional recommends that if the Disable option is selected, users should manually zero the scale before each weight measurement by pressing **Zero (Clear)** . Users will see dashes appear on the screen as the scale is finding zero.

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press **↓** to select "Set Options". Press **➡** to advance to the next menu.

3. While in the "Set Options" sub-menu, press **↓** to scroll through the options until Auto Zero on Power Up" is highlighted in red.

4. Press **➡** to change the "Auto Zero on Power Up" option. Choose from Enable or Disable.
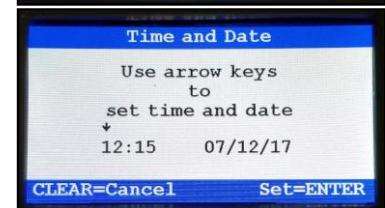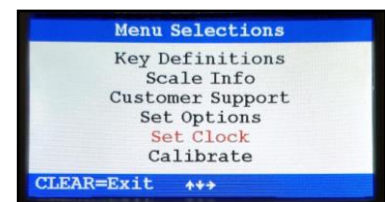
*Note:* You must press **Enter** to save your selection.
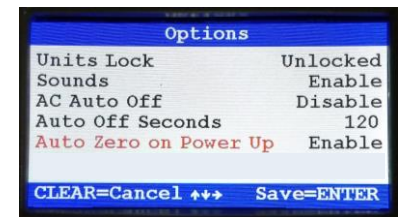
### Setting Date and Time

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press **↓** to select "Set Clock". Press **➡** to advance to the next menu.

3. Use **➡** and **↑** to set the time and date.

*Note:* You must press **Enter** to save the information.

# EVERLOCK® INSTRUCTIONS

### Everlock®

**(This feature is not available on KG models or models with a date code with the last two digits lower than 18)**
The Everlock® feature allows the scale to be permanently locked in KG (metric) or LB (imperial) units. When activating this feature, the **Unit** button will become disabled. This lock is permanent and can only be reversed at the factory.

This procedure engages Everlock® and will permanently lock the scale into LB or KG.

**Note:** This feature is standard on models with a date code with the last two digits of 18 or higher.

**Warning: This lock is permanent and can only be reversed at the factory. If you need to change the units on your scale after Everlock® has been engaged, contact Health o meter® Professional Scales Customer Service at 1-800-815-6615.**

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press **↓** to select "Set Options". Press **→** to advance to the next menu.

3. While in the "Set Options" sub-menu, press **↓** to scroll through the options until "Everlock" is highlighted in red.

4. Press **→** to begin the Everlock® procedure.

**To exit the procedure without engaging Everlock® press** **Zero/(Clear)**

5. The screen will prompt you to enter the password. Use the arrows keys to enter the password as follows:

   **←**  **↑**  **↓**  **→**

6. Use the up and down arrow keys to select "Everlock LB" or "Everlock KG", press **→** to advance to the next step.

7. The screen will display a warning. To proceed with locking the weight measuring unit, use the arrow keys to enter the password as follows:

   **↑**  **↓**  **↑**  **↓**

8. The weight measuring unit is now locked. The Options screen will now show "Units Lock" and "Unit View" as "Everlocked" and those settings cannot be changed by any user.
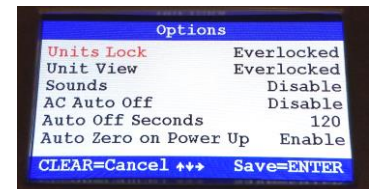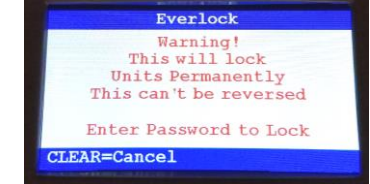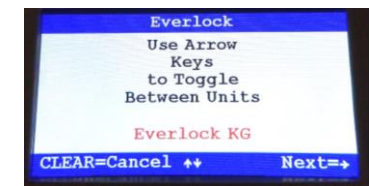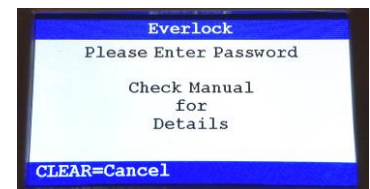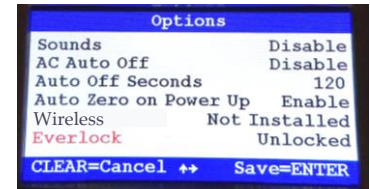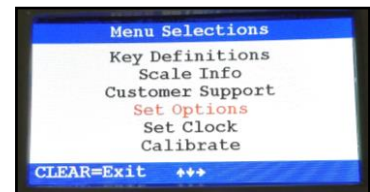
# OPERATING INSTRUCTIONS

**Key definitions can also be found by pressing** Help **and selecting "Key Definitions" in the submenu.**



**Keypad**

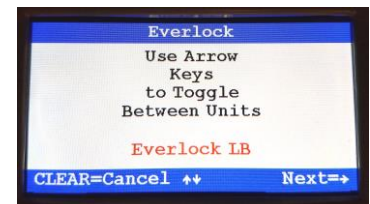| Function | Description |
|---|---|
| ⏻ | Powers scale on and off. |
| Zero/(Clear) | Zeroes the scale prior to a weighing. Also used as a screen navigation key to exit a display menu. |
| Hold/Release | Holds the weight value on the display until the button is pressed again to clear the value. |
| BMI | Prompts entry of height data to calculate patient's Body Mass Index (BMI). |
| Recall | Recalls the previous weight. |
| Tare | TARE-Deducts the weight of an object on the platform.<br>PRETARE-When held for 3 seconds, prompts entry of a weight value to be deducted from the weight on the platform. Also releases tare weight (returns display to zero). |
| Unit | Toggles between pounds and kilograms. If weight measuring unit is locked and Unit View setting is enabled, press and hold Unit button to briefly display the alternate weight measuring unit. Note: The Unit button is disabled on KG models or on KL models with Everlock® engaged or with the "Unit View" setting disabled. |
| Reweigh | Allows repeated weighing of the patient without stepping off the scale. |
| Enter | Used to accept height value in BMI mode, and tare value in PRETARE mode. Also used to save selections in Set Options menu. |
| ⬇ ⬆ ➡ ⬅ | Display navigation keys. |

| Weight Unit | **Weight:Pounds** ☐ 88% | Battery Power |
|---|---|---|
| | **0.0** | Weight Measurement |
| Time | **12:20** 07/12/17 | Date |
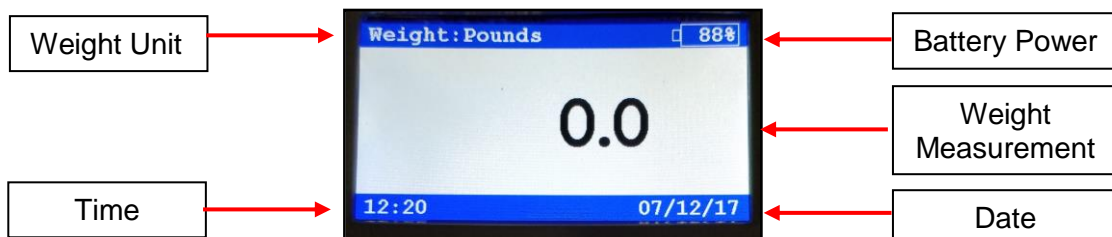
# OPERATING INSTRUCTIONS

## Weighing a Patient

1. Make sure there is nothing on the weighing platform and the display shows "0.0".

2. Ask the patient to step on the scale. The scale will begin to display the patient's weight and the word "PROCESSING". Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight. The display will show the patient's weight and the word "LOCKED" when measuring is completed.  Press **BMI** for height mode.

   **Note:** The scale will not lock on a weight less than 5 lb / 2.27 kg.

3. The weight may be held on the display by pressing **Hold/ Release** . The scale will continue to display the patient's weight after they step off the scale and will remain on the display until released or the scale is powered off. To release, press **Hold/ Release** .

4. To reweigh the patient without having them step off of the scale, press **Reweigh** .

5. To see the patient's weight in another unit of measurement, press and hold down **Unit** . If the scale is in LB mode, it will convert the weight to KG. If the scale is in KG mode, it will convert the weight to LB. **Note:** This function is not available on KG models or on KL models with Everlock® engaged or with the "Unit View" setting disabled.

## Weight Recall

1. To recall the last weight measured, press **Recall** .

2. To clear the display of the recalled weight, press **Zero (Clear)** .

   **Note:** Recall will display the data for approximately 10 seconds or until **Zero/ (Clear)** is pressed. If BMI and height measurement were taken the recall screen will display that data as well.

**BMI Function With Manual Height Measurement (for digital height measurement see the next page)**

1. Make sure there is nothing on the weighing platform and the display shows "0.0".

2. Ask the patient to step on the scale. The scale will begin to display the patient's weight and will lock on the patient's weight when completed. Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight.

3. After obtaining the patient's weight, and with the patient remaining on the scale, press   **BMI**   .

4. The scale will prompt entry of the patient's height. Use the arrow keys to enter the patient's height.  **Note:** When weighing in pounds, the height is displayed in inches.  When weighing in kilograms, the height is displayed in centimeters.

5. Once height is keyed in, press **Enter** .

6. The display will show the patient's BMI.

   The BMI summary screen will display for approximately 10 seconds or until **Zero (Clear)** is pressed to return to normal weighing mode. After exiting from the BMI summary screen, if the patient is still on the scale the screen will display the weight measurement again.

### BMI Function With Digital Height Measurement

*Note: Digital height measurement is available with the optional digital height rod purchased separately. The measuring range for digital height data is 3 ft 11.2 in – 6 ft 7.5 in / 120 cm – 202 cm.*

1. Make sure there is nothing on the weighing platform and the display shows "0.0".

2. Ask the patient to step on the scale. The scale will begin to display the patient's weight and will lock on the patient's weight when completed. Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight.

3. After obtaining the patient's weight, and with the patient remaining on the scale, press `BMI` .

4. A. If the height rod is set at its home position the display will read 3 ft 11.2 inches (when weighing in pounds) or 120 cm (when weighing in kilograms). Move to step 5.

   B. If the height rod is not set at its home position, the display will instruct the user to reset the height rod to its home position or prompt the user to press an arrow key to enter height manually. Push the height rod down to its home position. When at home position the display will read 3 ft 11.2 inches (when weighing in pounds) or 120 cm (when weighing in kilograms). Move to step 5. **Note:** Resetting the height rod to the home position is only needed once after a power up. There is no need to reset for each height measurement if the scale has remained on.

5. With the headpiece folded down, slide the headpiece up to the estimated height of the patient. Then raise the headpiece into its horizontal position. Ensure that the patient's posture is upright, and that the patient's head is straight and level. Slide the headpiece down until it rests on the patient's head. The display will read the patient's height.

6. Once the height is determined, press `Enter` .

7. The display will show the patient's BMI.

   The BMI summary screen will display for approximately 10 seconds or until `Zero (Clear)` is pressed to return to normal weighing mode. After exiting from the BMI summary screen if the patient is still on the scale the screen will display the weight measurement again.
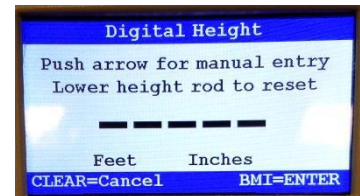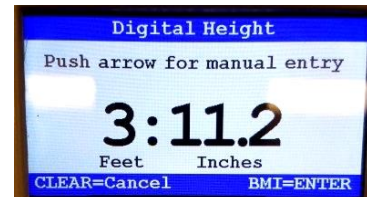
### Tare Function

When using this scale, the weight of an object, such as a portable oxygen tank, can be subtracted from the total weight in order to determine the weight of the patient alone. The Tare Function automatically performs this subtraction. The scale allows a tared weight to be entered manually by using the keypad, or automatically, as outlined in this section.

### Weighing a Patient and Taring an Unknown Weight

1. Wait until "0.0" appears on the display.

2. Place the object to be tared on the scale. The display will show the object's weight. The minimum weight that can be tared is 5 lb / 2.27 kg. **Note:** The scale must lock onto a weight before it can be tared.

3. With the object remaining on the scale, press [Tare]. The scale will zero, and the word "TARE" will appear at the bottom center of the display along with the tared weight. Remove the object from the scale.

4. Place the patient and the object back on the scale. The scale will automatically deduct the tared weight of the object from the gross weight of the patient and object together. The display will show the patient's weight.

5. With no weight on the scale, the display will show the tare value as a negative amount. The tare value will remain on the display until changed, cleared, or until the scale is powered off. **Note:** When in Tare mode the screen will not show a prompt to enter height mode.

6. The weight may be held on the display by pressing [Hold/Release]. The scale will continue to display the patient's weight after they step off the scale and will remain on the display until released or the scale is powered off. To release, press [Hold/Release].

7. To reweigh the patient without removing them from the scale, press [Reweigh].

8. To see the patient's weight in another unit of measurement, press and hold down [Unit]. If the scale is in LB mode, it will convert the weight to KG. If the scale is in KG mode, it will convert the weight to LB. **Note:** This function is not available on KG models or on KL models with Everlock® engaged or with the "Unit View" setting disabled.

9. To remove the Tare, press [Tare]. The word "TARE" will disappear from the bottom of the display, and the tare value will be cleared from the display. The scale will resume normal operation.

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**Weighing a Patient and Taring a Known Weight / Pre-Tare**

Pre-Tare can be performed within the following weight limits: 0.2 lb - 200 lb / 0.1 kg – 91 kg)

1. Wait until "0.0" appears on the display.

2. Press and hold [ Tare ] for approximately 3 seconds. The display will change and prompt entry of the weight value to be tared. Use the arrow keys to enter the weight to be tared. Press [ Enter ] to save the tare value.

3. The scale will zero and the tare value will show as a negative weight on the display. The word "TARE" will also appear at the bottom center of the display along with the tare value.

4. Place the patient on the scale. The scale will automatically deduct the tare value from the weight of the patient. The display will show the patient's weight. **Note:** When in Tare mode the screen will not show a prompt to enter height mode.

5. The weight may be held on the display by pressing [ Hold/Release ]. The scale will continue to display the patient's weight after they step off the scale and will remain on the display until released or the scale is powered off. To release, press [ Hold/Release ].

6. To reweigh the patient without removing them from the scale, press [ Reweigh ].

7. To see the patient's weight in another unit of measurement, press and hold down [ Unit ]. If the scale is in LB mode, it will convert the weight to KG. If the scale is in KG mode, it will convert the weight to LB. **Note:** This function is not available on KG models or on KL models with Everlock® engaged or with the "Unit View" setting disabled.

8. To remove the Tare, press [ Tare ]. The word "TARE" will disappear from the bottom of the display, and the tare value will be cleared from the display. The scale will resume normal operation.

**Parent/Child Function**

The Parent/Child function on Health o meter® Professional scales provides the convenience of weighing a small child or infant while being held by a parent. Follow these simple steps to subtract the parent's weight from the total so only the child's weight is displayed.

1.  Wait until "0.0" appears on the display.

2.  Ask the parent to step onto the scale without the child. The display will show a value for the parent's weight.

3.  With the parent remaining on the scale press **Tare** . The scale will zero, and the word "TARE" will appear at the bottom center of the display along with the parent's tared weight.

4.  Carefully place the child into the parent's arms. The scale will automatically deduct the weight of the parent and only display the child's weight. **Note:** When in Tare mode the screen will not show a prompt to enter height mode.

    **Note:** For an alternate method, after taring the parent's weight in step 3, have the parent step off of the scale. With no weight on the scale, the display will show the tare value as a negative amount. Have the parent to step back onto the scale while holding the child. The scale will automatically deduct the weight of the parent and only display the child's weight.

5.  The tared value will remain on the display until changed, cleared, or until the scale is powered off. To remove the Tare, press **Tare** The word "TARE" will disappear from the bottom of the display, and the tare value will be cleared from the display. The scale will resume normal operation.

# MAINTENANCE AND CLEANING

**Maintenance**
The following pages provide instructions for maintenance, cleaning, calibration, and troubleshooting for the scale. Maintenance operations other than those described in this manual should be performed by qualified service personnel.
**Caution: Before first use, or after long periods of non-use, check the scale for proper operation and function. If the scale does not operate correctly, refer to qualified service personnel.**

1. Check the overall appearance of the scale for obvious damage, wear, and tear.
2. If applicable, inspect the AC adapter cord for cracking, fraying, and for broken/bent prongs.


**Cleaning and Disinfecting**
Proper care and cleaning is essential to ensure a long life of accurate and effective weighing.
**Caution: Disconnect the scale from the AC adapter power source prior to cleaning the unit.**
1. Health o meter® Professional recommends using one of the following solutions on a soft cloth or disposable wipe:
   - mild soap and water solution
   - 70% isopropyl alcohol
   - solution with 1-5% hydrogen peroxide concentration

   After cleaning/disinfecting, wipe with a cloth dampened with water and then with a clean dry cloth. To avoid residue build-up or damp surfaces, ensure the screen and scale parts are completely dry after cleaning.
2. Never use rough or abrasive materials to clean the scale, as these will damage the scale's finish.
3. Do not submerge the scale in water or any other liquid.
4. Do not pour or spray fluids directly on the scale.


**Replacement Parts**
Parts may be available if a piece of the scale needs to be replaced. Contact Health o meter Professional Scales Customer Service at 1-800-815-6615 to inquire about the availability of these replacement parts.

| Part # | Description |
|---|---|
| ADPT30 | Power adapter |
| B2266701-0 | Replacement foot with spacer spring |
| LVERSIONCABLE | Replacement load cell cable |
| B3822801-0 | Replacement battery door cover |
| 10-00252 | Replacement battery holder |
| 1100KLWHEEL | Replacement wheel |

# CALIBRATION

This scale has been factory calibrated, and does not require calibration prior to use. There are no requirements for calibration in the field; users should adhere to their institution's calibration policies.

Calibration of your scale can be performed using calibrated kilogram (kg) or pound (lb) weight standards. Minimum calibration is 200 lb / 100 kg. Maximum calibration weight is 1000 lb / 454 kg. The required calibration standard will be the Unit of Measure (UOM) for which the scale is configured. **KG models can only be calibrated in kilograms**. If Everlock® is engaged the scale can only be calibrated in the locked unit of measure. **Note:** Only weights certified and traceable to national standards should be used for calibration.
**Warning: Always ensure that the scale is returned to the correct UOM after scale calibration.**

1. Press **Help** to access the Help menu options.

2. While in the Help menu, press ⬇ to select "Calibrate". Press ➡ to advance to the next step.

3. The display will prompt for entry of the password. Press the following keys in this sequence to proceed with the calibration procedure. ⬇ ⬆ ➡ ⬅

4. The display will show a warning. If prepared and qualified to perform the calibration procedure, press ➡ to advance to the next step.

5. Follow the screen prompt and ensure the scale is on a level surface with no weight on the platform. Press ➡ to advance to the next step.

6. The display will show "Zeroing Scale" as it calculates the zero value. Do not touch the scale during the zeroing process.
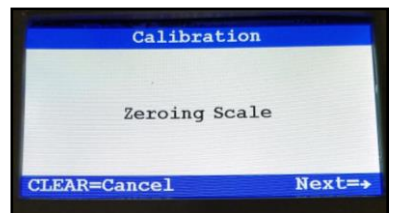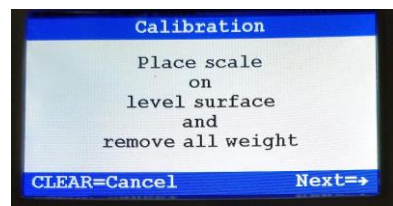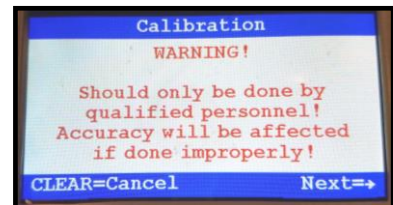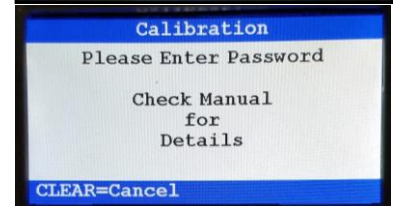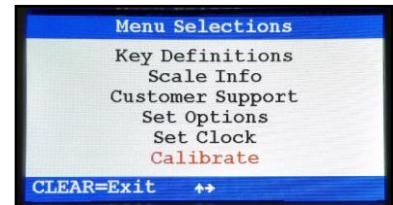
7. When the zeroing process is complete the display will prompt for entry of the calibration weight. Minimum calibration is 200 lb / 100 kg. Maximum calibration weight is 1000 lb / 454 kg. Calibration weight can be adjusted in 10 lb or 10 kg increments. Press **Enter** when the calibration weight is set.

8. The display will prompt for the calibration weights to be placed on the platform. Press **Enter** after calibration weights are placed on the platform.

9. The display will show "Calibrating" during the calibration process.

10. If calibration is successful, the display will show "Calibration Complete" with a 4 digit calibration count.

11. If calibration is unsuccessful, the display will show an error message that the entered calibration weight and the certified weights do not match. The display will then revert back to the set calibration weight screen for entry of calibration weight.
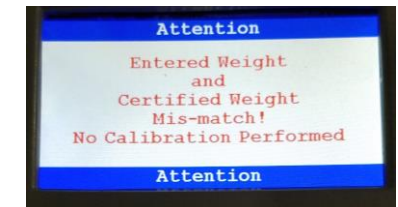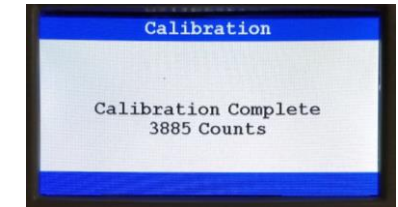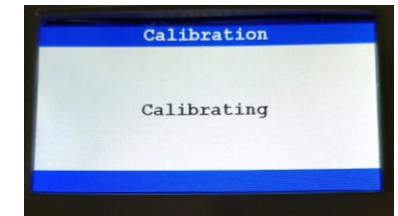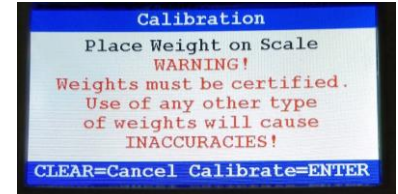
# TROUBLESHOOTING

## Troubleshooting

Before contacting service personnel, refer to the following instructions to check and to correct any failures. For further assistance, contact Health o meter® Professional Scales Technical Support at 1-800-638-3722.

| Symptom | Possible Cause | Corrective Action |
|---|---|---|
| Scale does not power on | 1. Dead battery<br>2. Faulty electrical outlet<br>3. Bad power supply | 1. Replace batteries<br>2. Use a different outlet<br>3. Replace AC adapter |
| Questionable weight or the scale does not zero | 1. External object interfering with the scale<br><br>2. The display did not show "0.0" before weighing<br><br>3. Scale is not placed on a level floor or feet are not properly balanced<br><br>4. Scale is out of calibration | 1. Remove interfering object from the scale<br><br>2. Ask the patient to get off the scale, press **Zero (Clear)** to zero the scale and begin weighing process again<br>3. Place the scale on a level floor. Balance the feet by completely hand tightening each foot then back the foot out 1-½ full turns.<br>4. Check weight with known weight value |
| Weighing is performed but the weighing process takes too long and the weight does not lock on the display | The patient is not standing still | Ask the patient to stand still |
| The battery icon on the display indicates that the batteries are low | The batteries are depleted | Replace batteries according to instructions on page 10 |
| Scale is displaying "Load Cell Cable Not Detected" | The load cell cable is not completely plugged into the ports | Inspect the load cell cable to ensure it is completely plugged into the ports on the back of the display head and the back of the platform. See pages 7 and 9. If cable was plugged in, unplug and plug in again until it clicks into place. |
| In the Help menu, display is not advancing to the next screen for the menu selection and saying "invalid key" | Correct key is not being pressed | To make a selection in the Help Menu and advance the screen, press ➡ |

# WARRANTY

**Limited Warranty**

**What does the Warranty Cover?**

This Health o meter® Professional scale is warranted from date of purchase against defects of materials or in workmanship for a period of two (2) years. If product fails to function properly, return the product, freight prepaid and properly packed to Pelstar®, LLC (see "To Get Warranty Service", below, for instructions). If the manufacturer determines that a defect of material or in workmanship exists, the customer's sole remedy will be replacement of the scale at no charge. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. All replaced parts are covered only for the original warranty period.

**Who is Covered?**

The original purchaser of the product must have proof of purchase to receive warranty service. Please save your invoice or receipt.  Pelstar® dealers or retail stores selling Pelstar® products do not have the right to alter, or modify or any way change the terms and conditions of this warranty.

**What is Excluded?**

**Your warranty does not cover normal wear of parts or damage resulting from any of the following:** negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, abuse including tampering, damage in transit, or unauthorized repair or alternations. Further, the warranty does not cover natural disasters, such as fire, flood, hurricanes and tornadoes. This warranty gives you specific legal rights, and you may also have other rights that vary from country to country, state to state, province to province or jurisdiction to jurisdiction.

**To get Warranty Service make sure you keep your sales receipt or document showing proof of purchase.** Call (+1) 800-638-3722 or (+1) 708-377-0600 to receive a return authorization (RA) number, which must be included on the return label. Attach your proof of purchase to your defective product along with your name, address, daytime telephone number and description of the problem. Carefully package the product and send with shipping and insurance prepaid to:
Pelstar, LLC
Attention R/A#_____
Return Department
9500 West 55th Street
McCook, IL 60525

**Extended Warranty Available***
This product is eligible for Health o meter® Professional ScaleSurance Extended Warranty Program. ScaleSurance extends the warranty period for an additional two years. This extension to the standard Limited Warranty can be purchased with new products or for a facility's existing product before its current warranty has expired. To learn more, visit www.homscales.com/scalesurance/ or contact your medical supply distributor.
*Not available in all countries.

**PELSTAR®, LLC**
**9500 West 55th St. McCook, IL 60525-7110 USA**
**1-800-638-3722 or 1-708-377-0600**
PLEASE REGISTER YOUR SCALE FOR WARRANTY COVERAGE AT:

www.homscales.com

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