

Health o meter[®]
P r o f e s s i o n a l

Model 2400KL / 2400KG Digital Portable Wheelchair Scales



E112697

Equipped with
Everlock[®]

User Instructions



PELSTAR[®], LLC 9500 West 55th St. McCook, IL 60525-7110 USA www.homsscales.com

Health o meter[®] Professional 2400KL
Health o meter[®] Professional 2400KG

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weigh**asier**[®]

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

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Note: 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 wheelchair 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 seated in a wheelchair. 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 transport the scale with a patient or object on the scale.
- To prevent injury and damage to your scale, do not drop or mishandle scale, during use or transport.
- 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.
- Ensure that the wheel tracks are kept clean and dry. Exercise caution when rolling the wheelchair onto and off of the scale.
- The built-in wheels are for transport only and the scale should not be left unattended resting on the wheels in the transport position.

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. In addition, each scale is designed to provide the user with features that make the weighing process simple, fast, and convenient.

This scale uses motion-sensing weighing technology in order to determine the actual weight of a moving patient.

The 2400KL displays weight in pounds (lb) or kilograms (kg). Refer to Page 12 to learn more about configuring the weight measuring unit setting. **Note:** The 2400KG displays weight in kilograms only. The scale features a remote display head which can be placed on a flat surface or mounted on a wall. For easy mobility the scale's wheel tracks fold and the scale can be rolled using the built-in transport handle and wheels. **The scale can be powered using an AC adapter (ADPT30 included), or by 6 D batteries (not included).**

Specifications

Capacity and Resolution	2400KL: 800 lb x 0.2 lb (363 kg x 0.1 kg) 2400KG: 363 kg x 0.1 kg	
Power Requirements	Adapter Model No. UE15WCP1-090050SPA, Part No. UE160714HKKK1-P or Adapter Model No. UES06WNCP-090050SPA, Part No. UE190716HKSH1RM Health o meter® Professional Model (ADPT30) (included) Input: 100-240VAC, 50/60Hz, 500mA Output: 9.0V $\overline{\overline{=}}$ 0.5A or 6 D batteries (not included)	
Environmental	Operating temperatures: 50°F to 95°F (10°C to 35°C) Storage temperatures: 30°F to 125°F (0°C to 50°C) Maximum Humidity: 85% RH	
Physical Dimensions	Folded for Transport Length: 40 1/2" (1029 mm) Width: 6 3/4" (171 mm) Height: 30" (762 mm) Weight: 39.8 lb (18 kg)	Assembled Size and Weight (with ramps in fully expanded position) Length: 40 1/2" (1029 mm) Width: 51 1/4" (1302 mm) Height: 3 1/2" (89 mm) Weight: 39.8 lb (18 kg)

Scale information can be found by pressing  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

Scale surface is applied part, Type B.

CERTIFICATIONS / CONNECTIVITY / DISPOSAL

Certification Descriptions

<div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 10px;"> ISO13485:2016 CERTIFIED </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> ISO 9001:2015 CERTIFIED </div>	<p>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.</p>
	<p>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)</p>

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

Scale 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 port 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.

Scale Disposal



Health o meter® Professional scales 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

Each 2400KL/2400KG scale is shipped disassembled in a single carton. 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

(1) Wheelchair scale

(1) Small brown box

The small brown box contains:

(1) Display assembly

(1) Load cell cable

(1) User information

(1) Long white box

The long white box contains:

(2) Locking knobs

(1) AC adapter

(8) Feet

Note: In order to mount the scale's display head onto the wall, a set of wall anchors and screws will be required (not included). See page 9 for display head wall mounting instructions.

Tools Required

Phillips head screwdriver (not included)

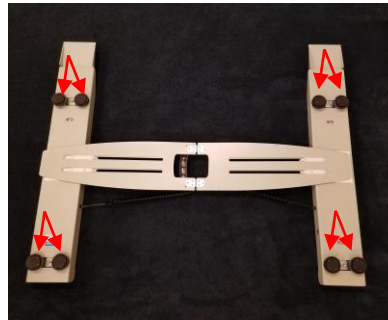
If mounting the display head on a wall, a drill or screwdriver is required. (not included)

ASSEMBLY INSTRUCTIONS (CONT.)

Health o meter® Professional Scales recommends that assembly be performed by two people.

Warning: Do not drop the scale, as this can permanently damage the load cells.

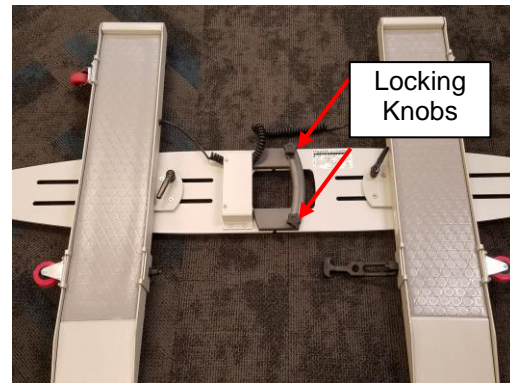
1. Remove the scale from the carton and place it upside down on a flat, level, and dry surface. Screw the (8) feet into the underside of the wheel tracks. Completely hand tighten the feet, then turn them back 1-½ full turns. This allows for proper load cell operation.



Ensure that the spacer spring is on the bolt of the foot before inserting into the ramp.

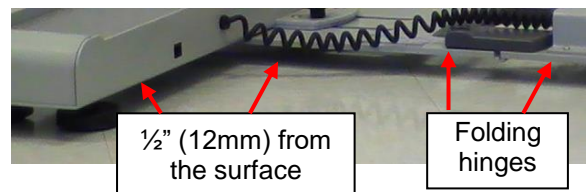


2. Carefully flip the scale over to its upright position on the floor.
Warning: Do not drop the scale, as this can permanently damage the load cells.
Open the scale to its operational position by folding open the wheel tracks with the feet securely placed onto the floor. Insert the two locking knobs into the carrying handle.
Note: For accurate weighing, the two locking knobs must be completely hand tightened.



Locking Knobs

3. Adjust the feet to level the wheel tracks. Make sure all scale parts are leveled at least ½" (12 mm) from the floor paying special attention to the two folding hinges in the center. If needed, raise the scale by adjusting all eight feet.



½" (12mm) from the surface

Folding hinges

4. Bring the wheelchair close to the wheel tracks to determine the desired distance between the wheel tracks. Roll the wheelchair onto the scale and ensure both the front and rear wheels of the wheelchair are on the wheel tracks. To adjust the distance between the wheel tracks loosen the tightening handles and slide the ramp to the desired width. Tighten the handles completely to lock the ramp positions.

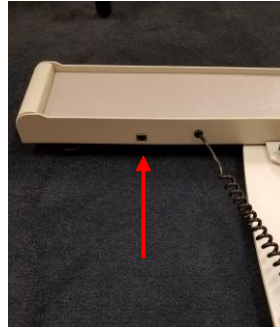


Tightening Handles



ASSEMBLY INSTRUCTIONS (CONT.)

5. Connect the load cell cable to the scale by inserting the load cell cable into the load cell port located on the inner side of the wheel track. **Caution: Ensure the load cell cable is adequately secured to prevent a tripping hazard.**



6. If mounting the display head onto a wall see the Display Head Wall Mounting Instructions on the next page. If using as a remote display head plug the load cell cable into the load cell port on the rear of the display head. Carefully position the display head on a desk, table or other flat surface. See Powering the Scale, page 11, for battery and AC adapter instructions. The scale is now ready to use.




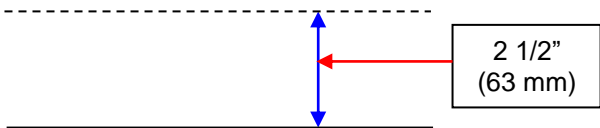
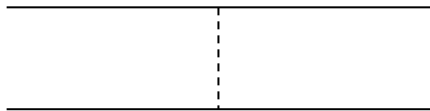
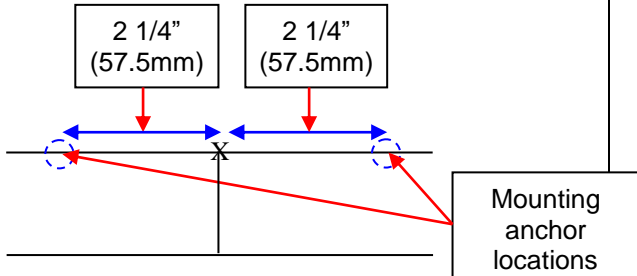
DISPLAY HEAD WALL MOUNTING INSTRUCTIONS

Required Parts




- (1) Display head with mounting bracket
- (2) #8 Anchoring screws (4.2 mm nominal OD)
- (2) Mounting anchors, compatible with wall construction

Caution: When wall mounting the display head, ensure that the mounting location is free of electrical lines, gas pipes, and other safety hazards. Ensure that wall is of construction that can support the display head.

Note: Remote display head can be mounted on a wall up to 71" (1.8 m) from the platform or placed on a table up to 71" (1.8 m) from the platform.

<p>1. Place the display head with its attached mounting bracket on the wall in the desired location. Ensure the display head is level and that the load cell cable can be plugged into the display. Draw a line on the wall at the bottom center of the display head. Set the display head aside.</p>	
<p>2. Draw a level horizontal line, 2 1/2" (63mm) above the bottom line.</p>	
<p>3. Draw a vertical line starting from the center of the bottom line to the line created in the previous step.</p>	
<p>4. Locate the point where the upper horizontal line and vertical line intersect. From that point draw mounting anchor locations on the upper horizontal line 2 1/4" (57.5mm) to the left and right of the intersection. Drill holes at the marked locations.</p>	

DISPLAY HEAD WALL MOUNT INSTRUCTIONS (CONT.)

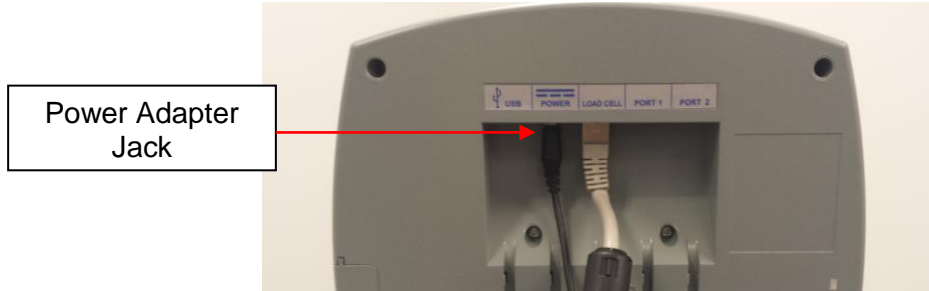
<p>5. Once the holes are drilled, use a hammer or Phillips head screwdriver to set the 2 drywall anchors into the holes. Use a screwdriver to insert the drywall anchors completely into the wall. Screw the two mounting screws into the anchors. Adjust the screw head depth so the screw heads protrude 1/8" (3.2 mm) from the wall.</p> <p>Warning: Extending the screw heads beyond 1/8" (3.2 mm) can damage the display assembly.</p>	
<p>6. Obtain the display head and the load cell cable. Plug the load cell cable into the load cell port on the rear of the display head. See Powering the Scale, page 11, for battery and AC adapter instructions.</p>	
<p>7. After inserting batteries or plugging in the AC adapter into the adapter jack, position the mounting bracket holes onto the mounting screws, and carefully pull down on the display head to secure. The scale is now ready to use.</p>	

POWERING THE SCALE

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.



For battery operation, see Battery Installation below.

Battery Installation

<p>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.</p>	 <p>The image shows a close-up of the side of the scale where a Phillips head screwdriver is being used to unscrew the battery cover. A callout box labeled "Battery Cover" points to the cover.</p>
<p>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.</p>	 <p>The image shows the battery pack being removed from the scale's display head on the left, and a set of four Energizer alkaline batteries on the right.</p>
<p>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.</p>	 <p>The image shows the battery pack being re-inserted into the display head of the scale.</p>


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

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

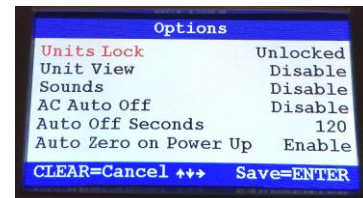
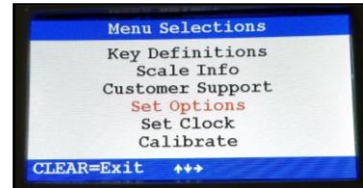
Unit of Measure Configuration / Unit Lock

(This feature is not available on KG models)

The scale ships from the factory set to display weight in kilograms. The weight measuring unit can be changed by pressing . Follow this procedure to lock the weight measuring unit into LB or KG only.

1. Press  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  to save your selection.








Note: To permanently lock the weight measuring unit, see the Everlock® section on page 15.

Enabling Unit View with Unit of Measure Locked

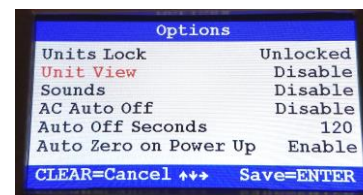
(This feature is not available on KG models or models with a date code lower than 3118 or with the last two digits lower than 18)

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  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  to save your selection.



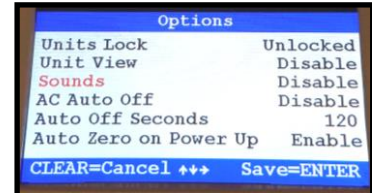
SET-UP INSTRUCTIONS (CONT.)

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.

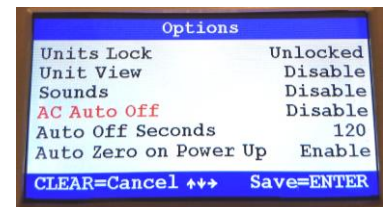


Activating/Deactivating AC Auto Off

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.

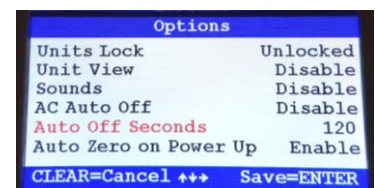


Setting Auto Off Timer

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.)

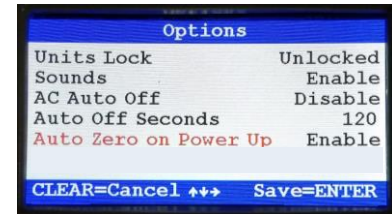
Setting Auto Zero Option

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 . Users will see dashes appear on the screen as the scale is finding zero.

1. Press  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  to save your selection.



Setting Date and Time

1. Press  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  to save the information.



EVERLOCK® INSTRUCTIONS

Everlock®






(This feature is not available on KG models or models with a date code lower than 3118 or 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 of 3118 or higher or with the last two digits of 19 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  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 

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

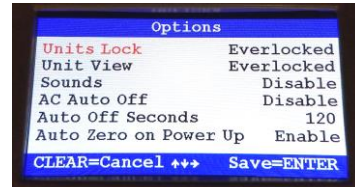
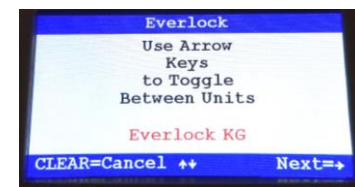
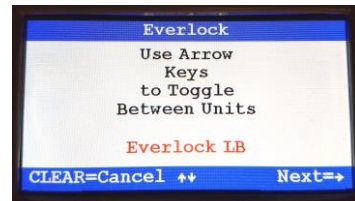
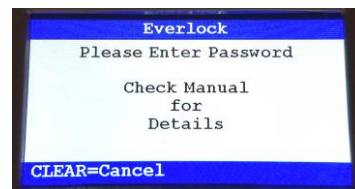
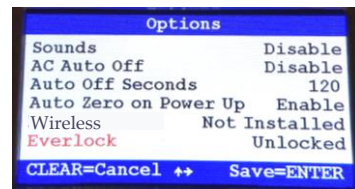
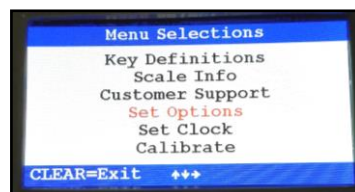


6. Use the up and down arrow keys to select “Everlock LB” or “Everlock KG”, press  to advance to the next step.

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:




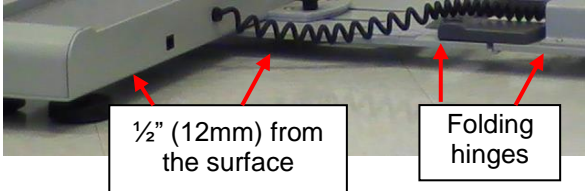
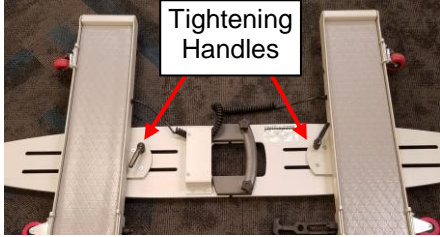




8. The weight measuring unit is now locked. The Options screen will now show “Units Lock” and “Unit View” as “Everlocked” and those settings cannot be changed by any user.



OPERATING INSTRUCTIONS

Caution: Ensure that both front and rear wheels of the wheelchair in use are completely on the scale ramps. Note: The handle's locking knobs and the tightening handles must all be completely tightened for accurate weighing.

<p>1. If the scale is in its folded, transport position follow these steps to open the scale. If the scale is already in its open, operating position skip to step 5. Gently remove the display head from the mounting pins and set aside.</p>	
<p>2. Pull upwards on the rubber latch to disengage the clasp. Do <u>not</u> loosen the tightening handles at this time.</p>	
<p>3. Carefully open the scale to its operational position by folding open the wheel tracks until the feet are securely placed onto the floor. Fully tighten the locking knobs located on the carrying handle. Note: For accurate weighing, the two locking knobs must be completely hand tightened.</p>	
<p>4. Make sure all scale parts are leveled at least ½" (12 mm) from the floor paying special attention to the two folding hinges in the center. If needed, raise the scale by adjusting all eight feet.</p>	
<p>5. Bring the wheelchair close to the wheel tracks to determine the desired distance between the wheel tracks. To adjust the distance between the wheel tracks loosen the tightening handles and slide the ramp to the desired width. Tighten the handles completely to lock the ramp positions.</p>	
<p>7. Connect the load cell cable to the scale by inserting the load cell cable into the load cell port located on the inner side of the wheel track. Caution: Ensure the load cell cable is adequately secured to prevent a tripping hazard.</p>	
<p>8. Plug the other end of the load cell cable into the load cell port on the rear of the display head. Carefully position the display head on a desk, table or other flat surface. The scale is now ready for use. Follow the weighing instructions on page 18.</p>	

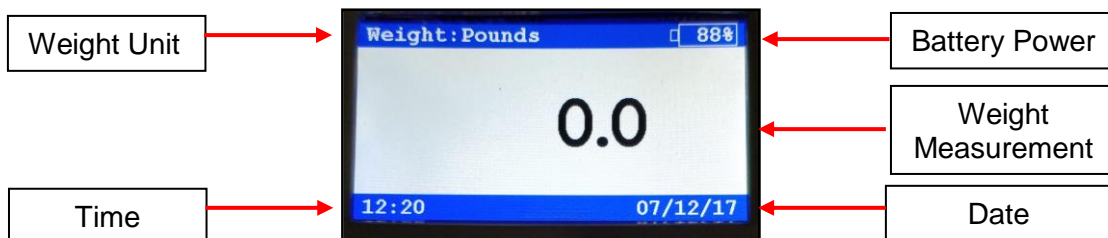
OPERATING INSTRUCTIONS (CONT.)

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 scale. 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.



OPERATING INSTRUCTIONS (CONT.)

Weighing a Patient

Caution: Ensure that both front and rear wheels of the wheelchair in use are completely on the scale ramps.

Note: The handle's locking knobs and the tightening handles must all be completely tightened for accurate weighing.

Tare Function

When using this scale the weight of the wheelchair can be subtracted from the total weight in order to determine the weight of the patient alone. The Tare Function automatically performs this subtraction. A tared weight can be subtracted by manually entering a known weight, as shown below, or by taring an unknown weight, as shown on the following page.

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. Carefully roll the wheelchair and patient onto the scale ramps. 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 are 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 **Reweight**.
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.



OPERATING INSTRUCTIONS (CONT.)

Weighing a Patient and Taring an Unknown Weight

1. Wait until “0.0” appears on the display.
2. Place the wheelchair to be tared on the scale. The display will show the wheelchair’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 wheelchair 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 wheelchair from the scale.
4. Carefully roll the wheelchair and patient onto the scale ramps. The scale will automatically deduct the tared weight of the wheelchair from the gross weight of the patient and wheelchair together. 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. 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.
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 are 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.



OPERATING INSTRUCTIONS (CONT.)

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

1. Make sure there is nothing on the weighing platform and the display shows "0.0".
2. Follow weight measuring procedure. After obtaining the patient's weight, and with the patient remaining on the scale, press **BMI** .
3. 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.
4. Once height is keyed in, press **Enter** .
5. The display will show the patient's BMI.
6. Press **Zero (Clear)** to return to the normal weighing mode.

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.

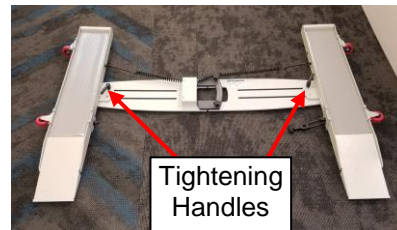


TRANSPORT INSTRUCTIONS

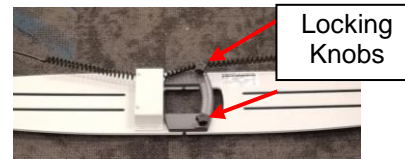
This scale can be easily folded and rolled from one location to another. This scale includes mounting pins to secure the display assembly during transport (the pins are located below the transport handle). To prepare the scale for transport, follow these steps.

1. If powering the scale via AC adapter, unplug the adapter from the display head, and remove the adapter from the outlet. Carefully store the AC adapter and cord to prevent damage during transport.
2. If the display head is mounted on a wall, remove it from the wall by lifting it up and off of the mounting screws. Set it aside.
3. Disconnect the load cell cable from the scale and the display head. Carefully store the load cell cable during transport.

4. Loosen the tightening handles and fully expand the ramps to the widest position. Fully tighten the tightening handles to lock the ramps into place.



5. Loosen the two locking knobs located on the carrying handle.



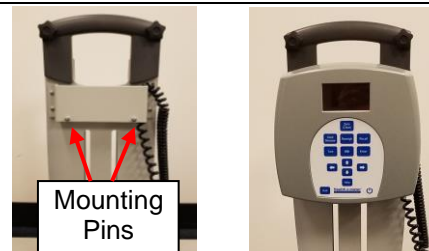
6. Grasp the carrying handle and lift the scale into its upright position.



7. Pull down on the rubber latch to fully engage the clasp.



8. Position the display head onto the mounting pins located on the folded ramp. Slide the display head mounting bracket onto the raised mounting pins. The scale is now ready for transport.



9. The scale can be rolled throughout a facility. When rolling the scale, ensure the flat edge is facing forward. See page 16 for instructions to re-open the scale to its operating position.



MAINTENANCE / STORAGE / CLEANING

Maintenance

The following pages provide instructions for maintenance, cleaning, calibration, and troubleshooting for your 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. Inspect the AC adapter cord for cracking, fraying, and for broken/bent prongs.

Storage

When not in use, the scale should be stored lying on its side, not resting on the wheels.



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 concentrationAfter 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
B4010298	Strain relief bushing
B3822801-0	Replacement battery door cover
10-00252	Replacement battery holder

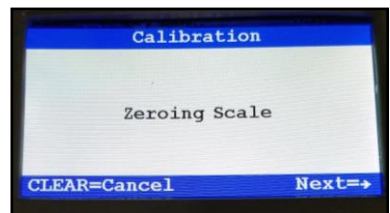
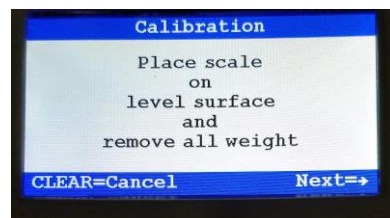
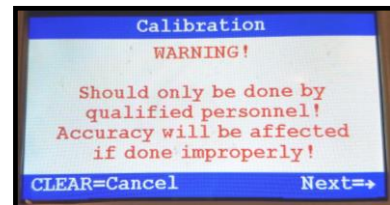
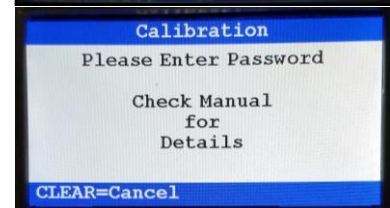
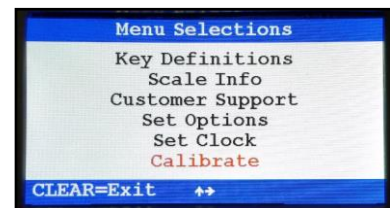
CALIBRATION

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 800 lb / 363 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.

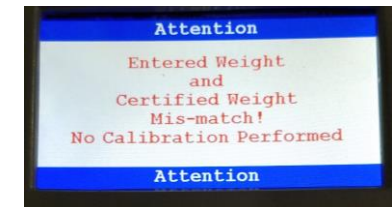
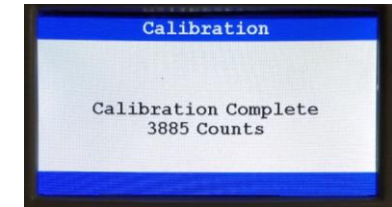
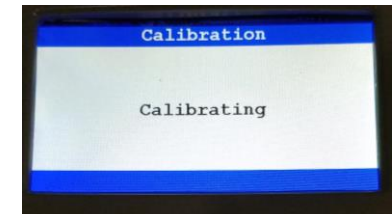
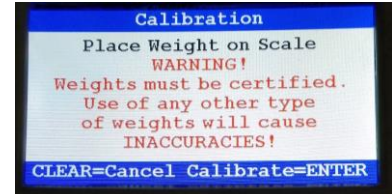
Warning: Always ensure that the scale is returned to the correct UOM after scale calibration.

1. Press  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.



CALIBRATION (CONT)



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 800 lb / 363 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 scale. Distribute the certified weights evenly along the wheel tracks. Press **Enter** when done loading the weights onto the wheel tracks.
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	<ol style="list-style-type: none"> 1. Dead battery 2. Faulty electrical outlet 3. Bad power supply 	<ol style="list-style-type: none"> 1. Replace batteries 2. Use a different outlet 3. Replace AC adapter
Questionable weight or the scale does not zero	<ol style="list-style-type: none"> 1. External object interfering with the scale 2. The display did not show "0.0" before weighing 3. Scale is not placed on a level floor or feet are not properly balanced 4. Scale is out of calibration 	<ol style="list-style-type: none"> 1. Remove interfering object from the scale 2. Remove the patient from the scale, press  to zero the scale and begin weighing process again 3. Place the scale on a level floor. Ensure all 8 feet are properly balanced. Completely hand tighten the feet, then turn them back 1-½ full turns. 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 sitting still	Ask the patient to sit still
The battery icon on the display indicates that the batteries are low	The batteries are depleted	Replace batteries according to instructions on page 11
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 side of the wheel track. See assembly instructions. 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.hom scales.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.hom scales.com

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