



## **Model 3001KL-AM/3001KL-AMC Antimicrobial Digital Platform Scale**



## **User Instructions**

P/N UM3001KL-AM Rev 071014

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:

<http://www.homscales.com>

For User Instructions updates and revisions please go to:

<http://www.homscales.com>

## CAUTION AND WARNING

- To prevent injury and damage to your scale, please follow these instructions very carefully.
- Assemble and operate the scale per the enclosed user instructions.
- Do not transport the scale with any weight on the platform.
- Do not exceed weight limit of 1000 lb / 454 kg 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.
- For accurate weighing, if the “Lo bAtt” indicator activates, replace the batteries or switch to the AC adapter as soon as possible. **Note: Use of AC adapter not available on 3001KL-AMC model.**
- When replacing / inserting batteries, be sure to use all new batteries.
- To prevent patient injury, the patient must be attended throughout the entire weighing event.

### **Using the Scale with the Optional AC Adapter**

**Note: Use of AC adapter not available on 3001KL-AMC model.**

- If applicable, operate this scale exclusively with the AC adapter provided by Health o meter<sup>®</sup> Professional. Use of an unspecified adapter will void the warranty, and can pose a serious safety hazard.
- Operating this scale at voltages and frequencies other than specified can damage the equipment and will void the warranty.
- 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.
- Ensure that the AC adapter and scale do not come in contact with liquids, excessive temperature, or excessive humidity.
- If the scale is being connected to another medical device, the power adapter must not be used. Disconnect the power adapter from the scale and use only the battery power.

# SPECIFICATIONS FOR THIS SCALE

## General

The Model 3001KL-AM/3001KL-AMC digital 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 in order to determine the actual weight of a moving patient.

Although the patient's weight can be displayed in either pounds (LB) or in kilograms (KG), the scale can be "locked" such that the user cannot change the displayed Unit of Measurement (UOM).

Note: The 3001KL-AM/3001KL-AMC scale is shipped from the factory locked in "KG" mode. Refer to Page 13 to learn more about configuring the scale.

## Antimicrobial Powder Coating

Unique to the 3001KL-AM/3001KL-AMC scale, the handrails and transport handle have been fabricated with a permanent, antimicrobial powder coating. The antimicrobial coating utilizes silver ionic technology to inhibit the growth of microbes.

This scale can be powered using 6 AA batteries (included). An optional 120V Adapter is available in USA only, ADPT30. **Note: Use of AC adapter not available on 3001KL-AMC model.**

## 3001KL-AM Scale Specifications

Capacity and Resolution	1000 lb x 0.2 lb (454 kg x 0.1 kg)	
Power Requirements	110-240VAC, 50-60Hz to 9V DC Adapter (not available on 3001KL-AMC model), or 6 AA batteries	
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	<b>Platform</b> Length: 15 3/4" (46 cm) Width: 22" (56 cm) Height: 2 5/8" (6 cm)	<b>Assembled Size and Weight</b> Length: 32" (81 cm) Width: 22" (56 cm) Height: 48" (122 cm) Weight: 42 lb (19 kg)

# CERTIFICATIONS / CONNECTIVITY / DISPOSAL

## Certification Descriptions

	<p>Pelstar, LLC has been officially certified as the manufacturer of Health o meter<sup>®</sup> Professional medical devices. The Pelstar, LLC quality assurance system covers the development, production, sales and service of medical scales and measuring systems.</p>
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## 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 a built-in USB port. This connectivity helps minimize transcriptions errors when recording patient data.

This scale is EMR-EHR compatible. For more information regarding how to connect this scale to other electronic devices, please contact Health o meter<sup>®</sup> Professional Scales Technical Support, available during normal business hours at 1-800-638-3722.

## Scale Disposal



This Health o meter<sup>®</sup> 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.

# 3001KL-AM/3001KL-AMC ASSEMBLY INSTRUCTIONS

## **Before Installation**

Each 3001KL-AM/3001KL-AMC Antimicrobial scale is shipped for immediate use inside a single carton. Carefully inspect the outside 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 will detail what you will find inside the main carton as you unpack. To prevent damage to the scale, carefully remove the unit from the carton and remove all packing materials. Set the carton aside for storage. To avoid scratching any of the scale parts when unpacking, do not use a box cutter, knife, scissors, or any sharp object to open the protective packaging.

## **Parts List**

- 3001KL-AM/3001KL-AMC Scale, Fully Assembled
- Directions for Use (located in enclosed envelope)
- Quick Reference Guide (located in enclosed envelope)
- (6) AA Batteries

## **Tools Required**

Phillips head screwdriver (not included) to install batteries.

## **Setting up the 3001KL-AM/3001KL-AMC Scale (Refer to Figures 1-2)**

**Caution: It is recommended that the scale setup be performed by two persons.**

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

1. Remove the fully assembled scale by carefully lifting it out from the carton and place scale platform on a flat, level, and dry surface.
2. Carefully remove the batteries, wrapped inside bubble wrap. The batteries are attached to the upper handrail.
3. Remove the protective plastic film covering the display (the film is printed "FACTORY CALIBRATED").
4. Place batteries into the battery holder, located on the side of the display assembly (see "Replacing / Inserting Batteries" information below).
5. For the 3001KL-AM model only, connect the AC adapter into the adapter jack (the jack is located on the rear of the display assembly). Plug the scale's AC adapter into the power source. **Note: Use of AC adapter not available on 3001KL-AMC model.**

## 3001KL-AM/3001KL-AMC ASSEMBLY INSTRUCTIONS CON'T.

**Warning:** To avoid a safety hazard, do not use an unspecified AC adapter. Only use the Health o meter<sup>®</sup> Professional AC adapter model ADPT30 designed for this scale. Note: Use of AC adapter not available on 3001KL-AMC model.

6. Ensure all objects are removed from the scale's platform, and press the **ON/OFF** button to power the scale on. The display will show "Start", then "0.0" KG.

Note: The scale is shipped from the factory locked in "KG" mode. Refer to the **Unit of Measurement (UOM) Configuration** section for changing the scale's UOM on Page 13.

7. When the AC adapter is disconnected from the scale, the scale will switch to battery power if batteries are installed.

Note: If the set up procedure failed, refer to the troubleshooting instructions. If the problem is not corrected, refer to qualified service personnel.

8. The Quick Reference Guide can be hung from the handrail if desired.

10. The scale is now ready for use.



Figure 1



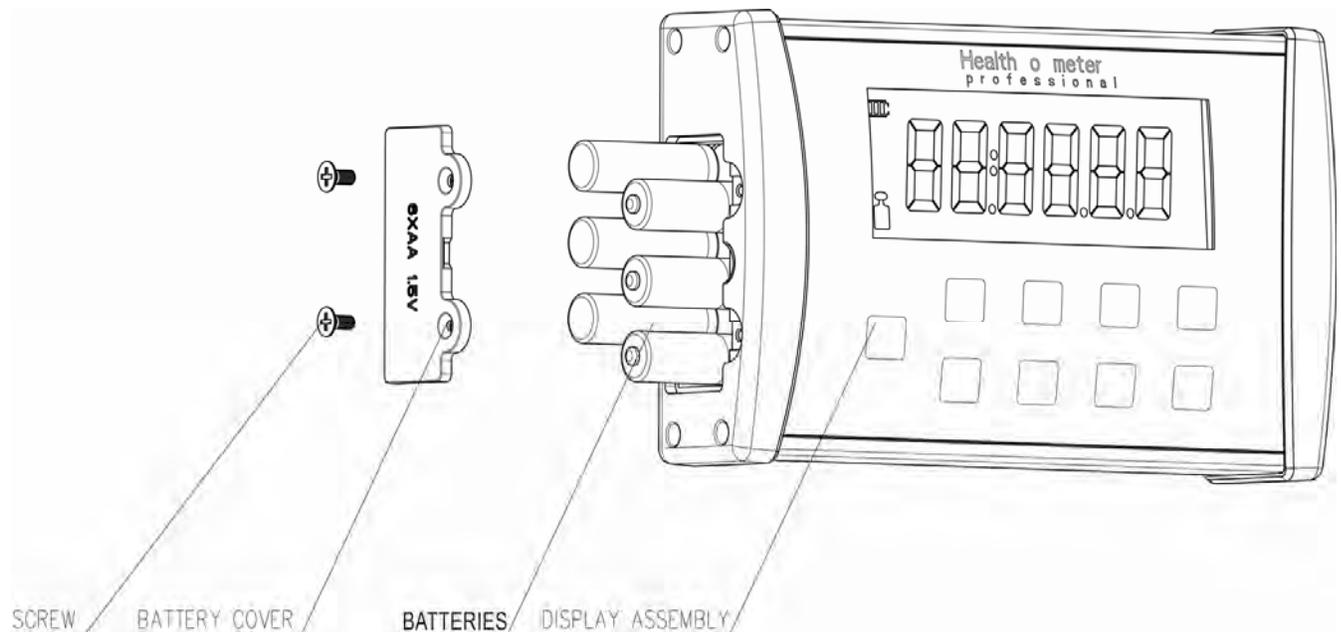
Figure 2

## SETUP / BATTERIES

### Replacing / Inserting Batteries

1. If applicable, unplug the AC adapter from the power source.
2. Remove the battery cover on the side of the display assembly by unscrewing the (2) battery cover screws (see Figure 3).
3. Replace or install the (6) AA batteries with new units. Follow the correct orientation of battery placement.
4. Health o meter<sup>®</sup> Professional recommends using an alkaline or lithium battery, rated for 130°F (54°C) operation. Do not use Zinc-Carbon batteries. Always replace all six batteries at the same time.
5. Re-attach the battery cover to the display assembly.

**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 which apply to you.**



**Figure 3**

# QUICK START / OPERATING INSTRUCTIONS

## Keypad

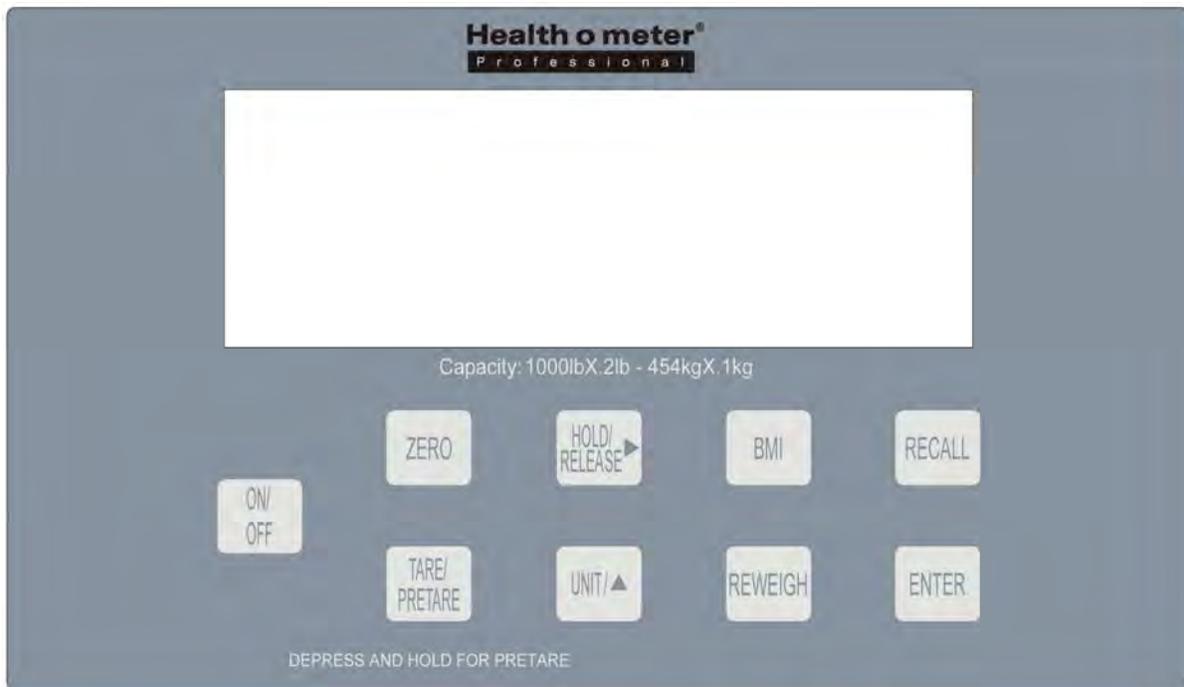


Figure 4

Function	Description
<b>ON/OFF</b>	Power scale on and off.
<b>ZERO</b>	Zeros the scale prior to a weighing.
<b>HOLD/RELEASE</b> ▶	Holds the weight value of the patient on the display until the button is pressed again to clear the value. Also moves the cursor from left to right on the display for entering height and pretare value.
<b>BMI</b>	Prompts entry of height data to calculate patient's Body Mass Index (BMI).
<b>RECALL</b>	Recalls the previous weight.
<b>TARE/PRETARE</b>	TARE-Tares out weight of an object on the platform. PRETARE-Prompts entry of a tare value that will be deducted from the weight on the platform. Also releases tare weight (returns display to zero).
<b>UNIT/▲</b>	Toggles between pounds and kilograms. Also used to increment height value and pretare value.
<b>REWEIGH</b>	Allows repeated weighing of the patient without stepping off the scale.
<b>ENTER</b>	Used to accept height value in BMI mode, and tare value in PRETARE mode. Also releases the recall value and BMI value.

## QUICK START / OPERATING INSTRUCTIONS (CONT)

Refer to Figure 4 for Button Locations

### Weighing a Patient

1. Make sure there is no object on the weighing platform.
2. Press the **ON/OFF** button to power the scale on.
3. Wait until the “0.0” LB or “0.0” KG appears on the display.
4. Ask the patient to step on the scale. The scale will begin to display weight information and will lock on the patient’s weight when the stable weight of the patient is determined. Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight.
5. The weight may be held on the display by pressing the **HOLD/RELEASE** button. To release, press the **HOLD/RELEASE** button again.
6. After the weight measurement has been taken and is recorded, have the patient step off the scale. Press the **ON/OFF** button to power the scale off.

### Weight Recall

1. The last weight reading on the scale can be recalled by pressing the **RECALL** button. To clear the display of the recalled weight, press the **ENTER** button.

Note: Clearing the recalled weight from the display will not clear the recalled weight from memory. The recalled weight will remain in memory until another weight is obtained.

## QUICK START / OPERATING INSTRUCTIONS (CONT)

### Tare Function

When using this scale, the weight of an object, such as a cane, 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 3001KL-AM/3001KL-AMC scales allow tare weight to be entered manually by using the keypad, or automatically, as outlined in this section.

### Tare

1. With all weight off the scale, press the **ON/OFF** button to power on the scale.
2. Wait until the "0.0" LB or "0.0" KG appears on the display.
3. Place the object to be tared on the scale. The display will show a value for the object's weight.
4. Press the **TARE** button. The scale will zero out, and the word "TARE" will appear at the bottom center of the display, indicating that there is a tare value for the object.
5. Remove the object from the scale. Once the object is removed from the scale, the display will show a negative weight, equal to the weight of the object.
6. Place the patient and the object back on the scale. The scale will automatically deduct the tare weight of the object from the gross weight of the patient and object together.
7. The weight of the patient will appear on the scale.
8. With no weight on the scale, the tare value will remain on the display until changed, cleared, or until the scale is powered off.
9. To remove the Tare, press the **TARE** button. 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.

### To Tare with a Known Weight / Pre-Tare (Limit 200 lb / 91kg)

1. Make sure that there is no object on the scale.
2. Press the **ON/OFF** button to power on the scale.

## QUICK START / OPERATING INSTRUCTIONS (CONT)

3. Wait until the “0.0” LB or “0.0” KG and “ZERO” appear on the display.
4. Hold down the **TARE** button for 3 to 5 seconds. The word “TARE” will appear at the bottom center of the display, and the user will be prompted to enter the tare value.
5. Use the keypad ► and ▲ buttons to enter the weight of the object. Press the **ENTER** button.
6. The value entered will show as a negative value on the display.
7. Place the patient and the object onto the scale. The scale will automatically deduct the tare weight as entered, from the gross weight of the patient and the object.
8. The weight of the patient will appear on the scale.
9. With no weight on the scale, the tare value will remain on the display until changed, cleared, or until the scale is powered off.
10. To remove the Tare, press the **TARE** button again. The word “TARE” will disappear from the display and the tare value will be cleared from the display. The scale will resume normal operation.

### **BMI Function**

Body Mass Index is another name for Quetelet Index, a formula that is a convenient indicator of BMI with various exemptions, such as athletes, children, and the elderly.

Note: The scale will not calculate BMI for a patient that is 24 pounds (12 kg) or less. If a height is not entered for the patient within 30 seconds of pressing the **BMI** button, the scale will return to the normal weighing mode.

1. Make sure there is no object on the weighing platform.
2. Press the **ON/OFF** button to power the scale on.
3. Wait until the “0.0” LB or “0.0” KG appears on the display.
4. Ask the patient to step on the scale. The scale will begin to display weight information and will lock on the patient’s weight when the stable weight of the patient is determined. Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight.
5. After obtaining the patient’s weight on the scale, press the **BMI** button while the scale is on.

## QUICK START / OPERATING INSTRUCTIONS (CONT)

6. The scale will prompt you to enter the patient's height. Use the keypad ▲ and ► buttons 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.

7. Once height is keyed in, press the **ENTER** button.

8. The display will show the patient's **BMI**.

9. Press the **ENTER** button to return to the normal weighing mode of the scale.

## UNIT OF MEASUREMENT (UOM) CONFIGURATION

The scale ships from the factory locked in "KG" mode. In this configuration, the scale will power up and exclusively display the patient's weight in the "KG" Unit of Measurement (UOM). Depressing the **UNIT** button will not change the UOM.

1. To change the UOM, power up the scale and allow scale to display "0.0 KG". Press and hold the **UNIT** button for about 30 seconds. The "KG" UOM will begin to flash and display will beep. Release the **UNIT** button.

2. The **UNIT** button is now active. Depressing the **UNIT** button will change the UOM from KG to LB and back to KG.

3. To re-configure the scale and lock back into "KG" mode, press the **UNIT** button and set the display to "0.0 KG". Hold and press the **UNIT** button for about 30 seconds. The "KG" UOM will flash and scale will beep. Release the **UNIT** button. The **UNIT** button is now disabled, and the scale is now locked in "KG" mode.

# MAINTENANCE

## Maintenance

The following pages provide instructions for maintenance, cleaning, calibration, and troubleshooting for the 3001KL-AM/3001KL-AMC 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 overall appearance of the total scale for any obvious damage, wear, and tear.
2. If applicable, inspect the AC adapter for cord cracking, fraying, or broken/bent prongs.

## Cleaning

Proper care and cleaning is essential to ensure a long life of accurate and effective weighing.

**Caution: If applicable, disconnect the scale from the AC adapter power source prior to cleaning the unit.**

Note: Routine cleaning does not affect the antimicrobial properties of the handrail coating. Repeated cleaning with a mild soap and water solution will activate the surface's antimicrobial properties for continuous protection.

1. Clean all external surfaces with a clean damp cloth or tissue. Dry with a clean soft cloth.
2. Do not immerse the scale into cleaning or other liquid solutions.
3. Do not use Isopropyl Alcohol or other solutions to clean the display surface.
4. Do not use abrasive cleaners.

# CALIBRATION

## Calibration

This scale has been factory calibrated, and does not require calibration prior to use.

Calibration of your 3001KL-AM/3001KL-AMC scale can be performed using calibrated kilogram (kg) or pound (lb) weight standards. The required calibration standard will be the Unit of Measurement (UOM) for which the scale is configured.

Because the scale is shipped from the factory in “KG” mode, the requested UOM for calibration will be the KG standard (e.g., 400kg). If the unit is to be calibrated with LB weight standards, the scale must first be configured to the “LB” UOM. Refer to the **Unit of Measurement Configuration** section for configuration details.

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

Operator Action	Display
1. Ensure the display is powered off, then press and hold the <b>HOLD/RELEASE</b> and <b>ZERO</b> button while pressing the <b>ON/OFF</b> button.	4-5 digit ‘idle scale count’ number.
2. Press the <b>ENTER</b> button.	“CAL”.
3. Make sure there is nothing on the scale, then press the <b>ENTER</b> button.	“Clear” followed by "400.0 KG" / "0600.0 LB" if UOM is set to LB.
4. Use the ► and ▲ buttons to set the calibration weight to a value other than the default weight. The calibration weight should be as high as possible, with 270 KG/400 LB as a minimum calibration weight.	Shows "400.0 KG" / "0600.0 LB" or entered calibration weight.
5. Press the <b>ENTER</b> button.	Displays “Load” followed by "400.0 KG" / "0600.0 LB”.
6. Load the scale with the required weight.	Display increments showing raw weight data.
7. Without touching or shaking the scale, allow the display to stabilize, then press the <b>ENTER</b> button.	“SUCC” or “Err1”.
8. If the calibration is successful, the display will show SUCC and power off. If the calibration is not successful, the display will show Err1 and power off. Contact customer service for an “Err1” display (+1 800-638-3722).	-----

# TROUBLESHOOTING

## Troubleshooting

Before contacting service personnel, refer to the following instructions to check and to correct any failures.

Symptom	Possible Cause	Corrective Action
Scale does not power on	1. Dead Battery 2. Faulty electrical outlet 3. Bad power supply  <b>Note: Possible causes #s 2 and 3 do not apply to 3001KL-AMC.</b>	1. Replace batteries 2. Use a different outlet 3. Replace AC adapter  <b>Note: AC Adapter not available on 3001KL-AMC model.</b>
Questionable weight or the scale does not zero	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 4. Scale is out of calibration 5. Improper Tare	1. Remove interfering object from the scale 2. Ask the patient to get off the scale, zero the scale and begin weighing process again 3. Place the scale on a level floor and begin weighing process again 4. Check weight with known weight value 5. Place the item to be tared on the scale. Press <b>REWEIGH</b> . Once the weight of the item is displayed, press <b>TARE</b> . Place the patient and the tared item back on the scale. Press <b>REWEIGH</b> again
Weighing is performed but the weighing process takes too long and the weight does not lock on the displayed	The patient is not sitting or standing still	Ask the patient to stand or sit still
The display shows "Over" message	The load on the scale exceeds the capacity (1000 lb / 454 kg)	Remove the excess weight and use the scale according to its limits
The display shows "Lo bAtt" message	The batteries are discharged	Replace batteries according to instructions

# WARRANTY

## Limited Warranty

### **What does the Warranty Cover?**

Health o meter® Professional scales are 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 repair or 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 parts including repaired and 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 55<sup>th</sup> Street  
McCook, IL 60525

If your scale is not covered by warranty, or has been damaged, an estimate of repair costs or replacement costs will be provided to you for approval, prior to servicing or replacing.



**PELSTAR, LLC**

**9500 West 55<sup>th</sup> Street • McCook, IL 60525 • USA**

**1-800-638-3722 or 1-708-377-0600**

PLEASE REGISTER YOUR SCALE FOR WARRANTY COVERAGE AT: <http://www.homscales.com>

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