Health o meter®
Professional

Model 594KL
Digital Chair Scale

User Instructions

PELSTAR, LLC **9500 West 55th St. McCook, IL 60525-7110 USA** **www.homscales.com**

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P/N UM594KL Rev20170816

Health o meter® Professional

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.

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:

http://homscales.com/product-support/technical-support/product-warranty-registration

For User Instructions updates and revisions please go to:

www.homscales.com

CAUTIONS AND WARNINGS

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.
- 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.
- Do not use the footrest as a step.

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:

- For accurate weighing, if the "LO BAT" indicator activates, replace the batteries or switch to the AC adapter as soon as possible.
- When replacing / inserting batteries, be sure to use all new batteries.

Pelstar, LLC assumes no responsibility for damages or injuries associated with the assembly or use of this product.

SPECIFICATIONS FOR THIS SCALE

GENERAL

The Health o meter® Professional 594KL Digital Chair Scale uses highly sophisticated microprocessor technology. This precision instrument is designed to provide accurate, reliable and repeatable weight measurements by providing features that make the weighing process simple, fast and convenient. Weight is displayed in kilograms or pounds. The scale includes a seat with arm support and a footstool that can be folded up for easy entry/exit. Also included in the scale are two large casters, caster brakes, and a handrail for easy mobility. The unit can be operated using its AC adapter or with 6 AA batteries.

594KL SCALE SPECIFICATIONS

Capacity and Resolution	600 lb x 0.2 lb (270 kg x 0.1 kg)	
Power Requirements	Adapter 120V-240V AC, 50-60Hz-9V DC, ADPT 30 (included) or 6 AA batteries (not included)	
Environmental	Operating temperatures: 10°C to 35°C (50°F to 95°F) Storage temperatures: 0°C to 50°C (32°F to 122°) Atmospheric Pressure: 50hPa-1060hPa Humidity: 10%-85% RH	
Physical Dimensions	**Seat:** Width: 18 1/4" /464mm Depth: 15" / 381mm Height: 17 1/2" / 445mm	**Scale:** Width: 24 3/8" / 619mm Depth: 32 1/2" / 826mm Height: 36 3/4" / 933mm Arm Width: 20 1/2" / 521mm

CERTIFICATIONS / CONNECTIVITY / DISPOSAL / SERVICE

Certification Descriptions

ISO13485:2003 CERTIFIED	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	This product is tested to and meets the requirements of: 1. UL60601-1 First Edition: Safety for Medical Electrical Equipment 2. CSA C22.2 No. 601-1 M90: Medical Electrical Equipment

594KL Scale Connectivity Information

For reliable transmission of weight data, this scale is designed to connect to a computer, monitor, or other electronic data device via various Health o meter® Professional Connectivity Solutions. This connectivity helps minimize transcription errors when recording patient data. For further information regarding how to connect this scale to other electronic devices, please contact Health o meter® Professional Scales Technical Support at 800-638-3722 or visit www.homscales.com/innovations/connectivity.

594KL 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.

CUSTOMER SERVICE INFORMATION

The 594KL Digital Chair Scale is shipped assembled in one carton. Carefully inspect the carton for shipping damage before unpacking. If damage is found, contact Customer Service.

For further information or telephone support, please contact Customer Service at:

Telephone: 1 (800) 815-6615

Email: HomProCS@homscales.com

594KL SET UP INFORMATION / BATTERIES

Your scale is a precision instrument and should be handled accordingly. The 594KL Digital Chair Scale is shipped completely assembled, so no additional assembly required.
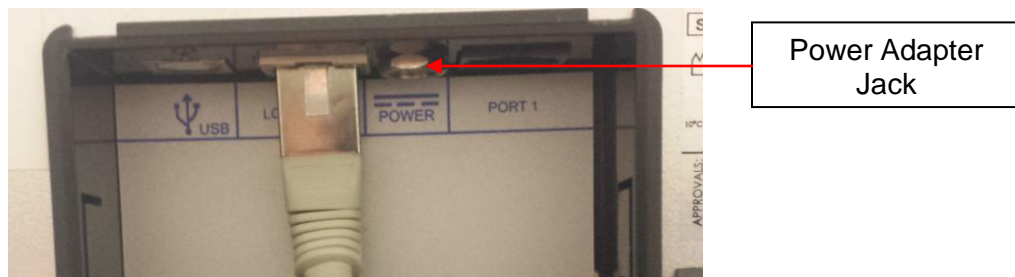
Some protective plastic, cardboard and foam will need to be removed before using.
1. Remove metal bands attached to small skid.
2. Remove cardboard at the front and the back end of the chair.
3. Remove protective foam and plastic cover on the display.

Powering the Scale

1. 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.
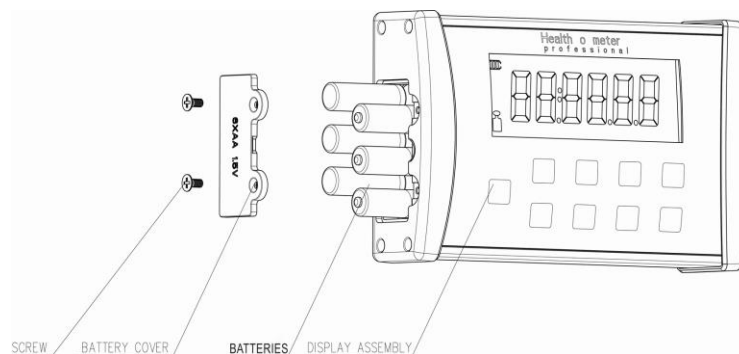

Power Adapter Jack

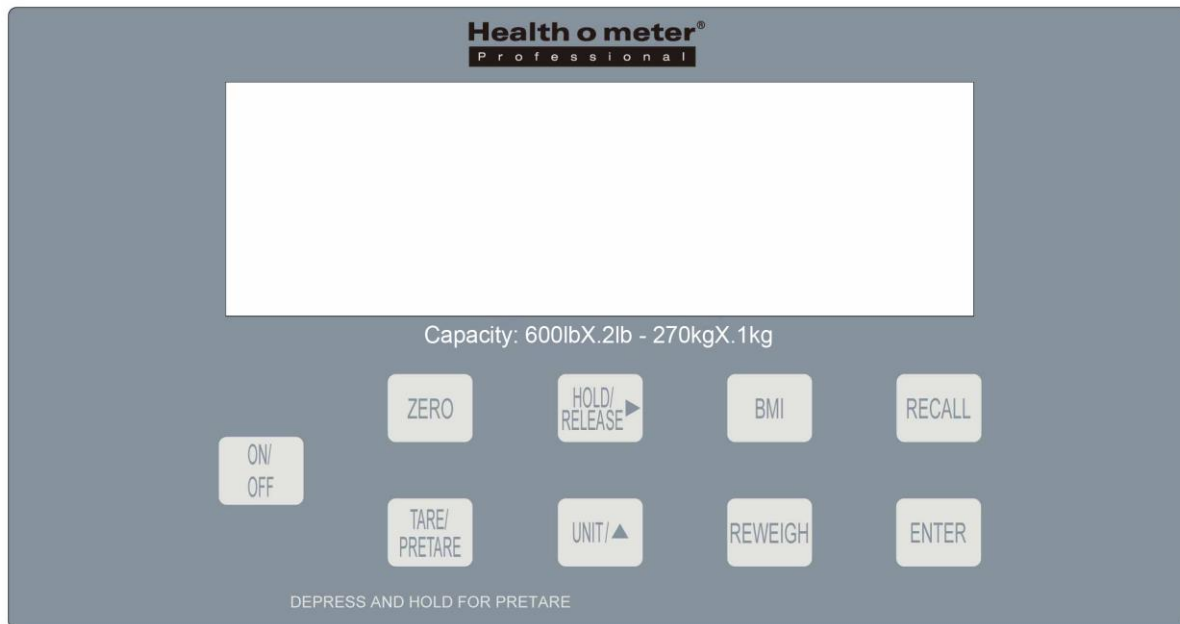2. For battery operation, see Battery Installation below.

Battery Installation

1. If connected, unplug the AC adapter from the power source.
2. Use a Phillips head screwdriver to remove the battery cover on the side of the display head by unscrewing the (2) battery cover screws.
3. Replace or install fresh batteries, making sure to install them in the proper direction. Health o meter Professional recommends using an alkaline or lithium battery, rated for 130°F (54°C) operation. Do not use Zinc-Carbon batteries.
4. Re-attach the battery cover to the display head.

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.

SCREW   BATTERY COVER   BATTERIES   DISPLAY ASSEMBLY

OPERATING INSTRUCTIONS

Health o meter®
Professional

Capacity: 600lbX.2lb - 270kgX.1kg

| ZERO | HOLD/RELEASE ► | BMI | RECALL |

ON/OFF

| TARE/PRETARE | UNIT/▲ | REWEIGH | ENTER |

DEPRESS AND HOLD FOR PRETARE

Keypad

Function	Description
ON/OFF	Powers scale on and off.
ZERO	Zeroes the scale prior to a weighing.
HOLD/RELEASE ►	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.
BMI	Prompts entry of height data to calculate patient's Body Mass Index (BMI).
RECALL	Recalls the previous weight.
TARE/PRETARE	TARE-Deducts the weight of an object on the platform. PRETARE-Prompts entry of a weight value that will be deducted from the weight on the platform. Also releases tare weight (returns display to zero).
UNIT/▲	Toggles between pounds and kilograms. Also used to increment height value and pretare value.
REWEIGH	Allows repeated weighing of the patient without getting off the scale.
ENTER	Used to accept height value in BMI mode, and tare value in PRETARE mode. Also releases the RECALL value and BMI value.

Unit of Measure Configuration
The scale is shipped in LB mode. Press the **UNIT** button to toggle the weight measuring unit between LB and KG. The display can be locked to only measure in LB or KG by following these procedures.

KG Lock Instructions
1. Turn the scale on and wait for "0.0" to appear on the display.
2. Press the **UNIT** button and set the unit of measure to "0.0 KG". Press and hold the **UNIT** button for approximately 30 seconds. When the display beeps and "KG" begins to flash on the display, release the **UNIT** button. The **UNIT** button is now disabled, and the scale is now locked in "KG" mode.
3. To disable KG lock, press and hold the **UNIT** button for approximately 30 seconds until "KG" begins to flash on the display, release the **UNIT** button. The **UNIT** button is now active and weight measuring unit can toggle between KG and LB.

LB Lock Instructions
1. Turn the scale on and wait for "0.0" to appear on the display.
2. Press the **UNIT** button and set the unit of measure to "0.0 LB". Press and hold the **UNIT** button for approximately 30 seconds. When the display beeps and "LB" begins to flash on the display, release the **UNIT** button. The **UNIT** button is now disabled, and the scale is now locked in "LB" mode.
3. To disable LB lock, press and hold the **UNIT** button for approximately 30 seconds until "LB" begins to flash on the display, release the **UNIT** button. The **UNIT** button is now active and weight measuring unit can toggle between KG and LB.

Weighing a Patient
1. Make sure there is nothing on the seat.
2. Press the **ON/OFF** button to turn on the scale.
3. Wait until the "0.0" LB or "0.0" KG appears on the display.
4. Assist the patient onto 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.
5. The weight may be held on the display by pressing the **HOLD/RELEASE** button. 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 the **HOLD/RELEASE** button again.
   Note: If Auto Off is enabled, the scale will not power off if a weight is being held on the display.
6. After recording the weight, assist the patient off the scale.
7. Press the **ON/OFF** button to power the scale off.

BMI Function
Note: The scale will not calculate BMI for a patient weighing less than 24 pounds (12 kg). If a height is not entered for the patient within 30 seconds of pressing the **BMI** button, the scale will return to normal weighing mode.
1. Make sure there is nothing on the weighing platform.
2. Press the **ON/OFF** button to turn on the scale.
3. Wait until the "0.0" LB or "0.0" KG appears on the display.
4. Assist the patient onto 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.

5. After obtaining the patient's weight, and with the patient remaining on the scale, press the **BMI** button.
6. The scale will prompt entry of 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.

Weight Recall

The last weight reading on the scale can be recalled by pressing the **RECALL** button, even after the scale has automatically or manually powered off. To clear the display of the recalled weight, press the **ENTER** button.

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.

Tare

1. With all weight off the scale, press the **ON/OFF** button to turn 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 the object's weight.
4. Press the **TARE** button. The scale will zero, and the word "TARE" will appear at the bottom center of the display, indicating that there is a tare value for the object.
5. With the object remaining on the scale, assist the patient onto the scale. The scale will automatically deduct the weight of the object and only display the patient's weight.
   a. For an alternate method, after taring the weight of the object in step 4, 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. Place the patient and the object on the scale together. The scale will automatically deduct the tare weight of the object from the gross weight of the patient and object together and display the patient's weight.
6. The tare value will remain on the display until changed, cleared, or until the scale is powered off.
7. 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. The scale will resume normal operation.

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

1. Make sure that there is nothing on the scale.
2. Press the **ON/OFF** button to turn on the scale.
3. Wait until the "0.0" LB or "0.0" KG appears on the display.
4. Press the TARE button for 3 to 5 seconds. The word "TARE" will appear at the bottom center of the display, prompting the user to enter the tare value.
5. Use the keypad ► and ▲ buttons to enter the weight of the object. Press the **ENTER** button when finished.
6. The value entered will show as a negative value on the display.

7. Place the patient and the object on the scale together. The scale will automatically deduct the tare weight entered from the gross weight of the patient and the object.
8. The display will show the patient's weight.
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. 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. With all weight off the scale, press the **ON/OFF** button to turn the scale on.
2. Wait until "0.0" LB or "0.0" KG appears on the display.
3. Ask the parent to sit on the scale without the child. The display will show a value for the parent's weight.
4. Press the **TARE** button. The scale will zero, and the word "TARE" will appear at the bottom center of the display, indicating that there is a tare value for the parent's weight
5. With the parent remaining on the scale, carefully place the child in the parent's arms. The scale will automatically deduct the weight of the parent and only display the child's weight.
    a. For an alternate method, after taring the parent's weight in step 4, assist the parent off the scale. With no weight on the scale, the display will show the tare value as a negative amount. Assist the parent back onto the scale while they are holding the child. The scale will automatically deduct the weight of the parent and only display the child's weight.
6. The tare value will remain on the display until changed, cleared, or until the scale is powered off.
7. 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 return to normal weighing mode.

Auto Off Feature

This scale includes an Auto Off function that helps conserve battery power and turns the scale off after 2 minutes of inactivity. The scale is shipped with the Auto Off feature enabled. To deactivate the Auto Off feature, follow the procedure below.

De-Activating Auto Off Feature

To deactivate the Auto Off feature, ensure the scale is off then press and hold down the **TARE** button. While holding down the **TARE** button power on the scale by pressing the **ON/OFF** button. "START" will briefly appear on the display followed by "AOF=0". The Auto Off feature has now been deactivated and the scale will remain on until manually powered off.

Re-Activating Auto Off Feature

While the scale is off, press and hold down the **TARE** button. While holding down the **TARE** button power on the scale by pressing the **ON/OFF** button. "START" will briefly appear on the display followed by "AOF=1". The Auto Off feature has now been enabled and the scale will shut off after 2-3 minutes of inactivity.

MAINTENANCE

GENERAL

This section provides instructions for maintenance, cleaning, and troubleshooting for the 594KL Digital Chair Scale. Maintenance operations other than those described in this section should be performed by qualified service personnel.

MAINTENANCE

Before first use and after 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 scale for any obvious damage, wear and tear.
2. Inspect the AC adapter for cord cracking or fraying, or for broken or bent prongs.

CLEANING

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

Disconnect the scale from the adapter power source, if in use.

1. Clean all external surfaces with a clean damp cloth. Mild soap and water solution may be used. Dry with a clean soft cloth.
2. Do not immerse the chair scale or arm support in cleaning or other liquid solution.
3. Do not use Isopropyl Alcohol to clean the display surface or any plastic portions of the scale.
4. Do not use abrasive cleaners.

Replacement Parts

Part #	Description
DISPLAY594P	DISPLAY HEAD
445/594 FEET	FEET
445/594 WHEELS	WHEELS
445SEAT	SEAT
ADPT30	POWER ADAPTER

TROUBLESHOOTING

Refer to the following instructions to check and correct any failure before contacting service personnel.

Symptom	Possible Cause	Corrective Action
Scale does not power on	1. Dead Battery 2. Faulty electrical outlet 3. Bad power supply	1. Replace batteries 2. Use a different outlet 3. Replace AC adapter
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. 4. Check weight with known weight value 5. Place the item to be tared on the scale. Press **REWEIGH**. Once the weight of the item is displayed, press **TARE**. Place the patient and the tared item back on the scale. Press **REWEIGH** again
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 display shows "Over"	The load on the scale exceeds the capacity (600 lb / 270 kg)	Remove the excess weight and use the scale according to its limits
The display shows "Lo bAtt"	The batteries are depleted	Replace batteries according to instructions on page 6

CALIBRATION PROCEDURE

This scale has been factory calibrated and does not require calibration prior to use. If required, the scale can be calibrated. The following procedure assumes the scale is set to LB mode. The minimum calibration weight for this scale is 300 lb. If calibrating in KG mode, the minimum calibration weight is 130 kg.

Note: Only weights certified and traceable to national standards are to be used for calibration procedures.

Scale Calibration

Operator Action	Display
1. Make sure the display is powered off, then press and hold the **HOLD/RELEASE** button while pressing the **ON/OFF** button. (Two alphanumeric characters will appear next to U followed by 4-5 characters.)	U"XX" followed by a 4-5 digit 'idle scale count' number.
2. Press the **ENTER** button.	"CAL".
3. Make sure there is nothing on the scale, then press the **ENTER** button.	"Clear" followed by "0300.0LB"
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 300 lb as a minimum calibration weight.	Shows "0300.0LB" or entered calibration weight.
5. Press the **ENTER** button.	Displays "Load" followed by "0300.0LB" or entered calibration weight
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 **ENTER** 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).	-------

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 in 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 W. 55th St.

McCook, IL 60525

PELSTAR, LLC

9500 W. 55th St. • McCook, IL 60525 • 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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