



## 553KL / 553KG Digital Pediatric Scale

44 lb / 0.5 oz  
20 kg x 0.01 kg



## User Instructions



232791  
IEC 60601-1  
C22.2 No. 601.1-M90  
UL 60606-1



PELSTAR, LLC 9500 West 55<sup>th</sup> St. McCook, IL 60525-7110 USA

[www.homscales.com](http://www.homscales.com)

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Thank you for purchasing 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](http://www.homscales.com/product-support/technical-support/product-warranty-registration)

For User Instructions updates and revisions please go to:  
[www.homscales.com](http://www.homscales.com)

# CAUTIONS AND WARNINGS

## **Intended use**

The Health o meter® Professional 553KL and 553KG scales were intended to be used in a professional medical environment by trained medical staff. This product was designed to weigh infants that are laying or sitting on the tray. Do not modify the product or use it for anything other than its intended purpose.

## **To prevent injury and damage to your scale, please follow these instructions very carefully.**

- Assemble and operate the scale per the enclosed user instructions.
- 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 transport the scale with a patient or object on the tray.
- Do not exceed the weight capacity specified for the scale.
- Do not use in the presence of flammable or explosive materials.
- Ensure that the scale or AC adapter do not come in contact with liquids, excessive temperature, or excessive humidity.
- If the scale becomes damaged, it should not be operated until properly serviced.

## **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.

## **When operating the scale with batteries:**

- If "Lo" appears on the display, replace the batteries or switch to the AC adapter as soon as possible.
- When replacing / inserting batteries, be sure to use all new batteries.

## **When operating the scale with the (optional) AC adapter:**

- Operate this scale exclusively with the AC adapter that is specified (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.

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 shall Pelstar, LLC be liable for damages or injuries arising out of or connected with the assembly, use, or misuse of this product

# SPECIFICATIONS

## General

The Health o meter® Professional 553KL / 553KG scales use 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.

## Scale Specifications

Capacity and Resolution	553KL: 44 lb x 0.5 oz / 20 kg x 0.01 kg 553KG: 20 kg x 0.01 kg	
Power Requirements	6 AA 1.5V batteries included or optional 100-240V power adapter (ADPT30) (not included)	
Environmental	Operating temperatures: 50°F to 104°F (10°C to 40°C) Storage Specifications: 32°F to 122°F / 0°C to 50°C Atmospheric Pressure: 500hPa – 1060hPa Humidity: 10% - 90% RH	
Physical Dimensions	<b>Tray Size:</b> Length: 13" (330 mm) Width: 24 7/8" (632 mm) Height: 3 7/8" (67 mm)	<b>Product Footprint:</b> Length: 16 1/2" (419 mm) Width: 24 7/8" (632 mm) Height: 3 7/8" (98 mm)

# DEFINITION OF SYMBOLS



Attention, Consult Accompanying Documents



Temperature range  
(10°C to 40°C / 50°F to 104°F)



Type BF Applied Parts



AC to DC power supply

### **\*WARNING:**



For use with Power Adapter Model UE 15WCP-090050SPA/ADPT30 only. Complies with C22.2 No. 601.1-M90 and UL Std No. 60601-1. Type BF applied parts. Internally powered.

**Equipment is not suitable for use in the presence of flammable anesthetic mixture with air or with oxygen or nitrous oxide.**



# CERTIFICATIONS / CONNECTIVITY / DISPOSAL

## Certification Descriptions

	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.
	This product is tested to and meets the requirements of: <ol style="list-style-type: none"><li>1. CSA C22.2 No. 601-1 M90: Medical Electrical Equipment</li><li>2. UL60601-1 First Edition: Safety for Medical Electrical Equipment</li></ol>

## 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.

## 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](http://www.homscales.com/innovations/connectivity).

## POWERING THE SCALE / SET UP

### **Powering the Scale – Inserting Batteries**

1. Locate the battery compartment underneath the scale base and remove battery compartment cover.
2. Place 6 new AA batteries into the battery compartment. Make sure the '+' and '-' are positioned correctly. (Use only AA alkaline batteries).
3. Replace the battery compartment cover.

Note: If the display shows “Lo”, replace the batteries as soon as possible.

**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.

**Note:** If “Lo” appears on the display, it indicates that the battery power is low. It does NOT indicate a problem with the weight measurement.

### **Optional AC Adapter**

1. Connect the AC adapter (not included) into the base of the scale and then into the outlet for power.



2. The LED next to the power jack will light up indicating there is power to the scale.

**Note:** When the AC adapter is being used, the battery icon will not be displayed.

### **Measuring Tape**

For your convenience a measuring tape is included with the scale. You may affix the tape to either the bottom or side of the weighing tray depending on your preference for visually determining the length of the baby, up to 24” or 58 cm.

### **Powering Off the Scale / Auto-Off Feature**

To manually power off the scale, press the **ON/OFF** button. As an energy saving feature, the scale will automatically turn off after 2 minutes of inactivity. By default, this function is enabled. Follow the procedure below to deactivate or reactivate the auto off feature.

#### **Deactivate Auto-Off**

1. While the scale is turned off, press and hold the **RELEASE** button.
2. While holding the **RELEASE** button, press the **ON/OFF** button to turn the scale on.
3. Keep holding down both buttons until “AOF=0” displays on the screen. AOF=0 confirms that Auto-Off has been deactivated.

#### **Activate Auto-Off**

1. While the scale is turned off, press and hold the **RELEASE** button.
2. While holding the **RELEASE** button, press the **ON/OFF** button to turn the scale on.
3. Keep holding down both buttons until “AOF=1” displays on the screen. AOF=1 confirms that Auto-off is now reactivated.

# OPERATING INSTRUCTIONS

**IMPORTANT:** To prevent falls or injury, place the scale securely far from the edge of the counter, table or other flat surface used to hold the scale. Do not let the scale touch the wall or any other object near or around the scale while it is in use.

## Weighing a Patient

1. Make sure there is nothing on the tray.
2. Press the **ON/OFF** button to turn the display assembly on. "88:8:8.8" followed by "0.0" will appear on the display.
3. Place the baby on the scale so that its weight is evenly distributed on the tray. 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.
4. When a stable weight is calculated, a small ring along with the word "HOLD" will appear on the display and the weight of the baby will lock.
4. Note: If the display shows "OVER" you have exceeded the capacity of the scale.  
(553KL:44 lb / 20 kg; 553KG: 20 kg)

**Caution: To prevent patient injury, the patient must be attended throughout the entire weighing event.**

5. Remove the baby from the scale. The scale will continue to display the baby's weight.
6. To return the scale to 0.0, press the **RELEASE** button and the scale will be ready to weigh again.

**Note:** If "Lo" appears on the display, it indicates that the battery power is low. It does NOT indicate a problem with the weight measurement.

## Zero/Clear (TARE) Function

The tare function allows you to place other items on the scale while weighing the baby, without affecting the baby's weight reading.

1. Place the item you want to tare on the weighing tray.
2. Press and release the **ZERO/CLEAR** button. The word "TARE" will appear on the display and the display will return to 0.0.
3. Place the baby on the scale with the tared item and weigh normally. The scale will only display the baby's weight.

**Note:** If there is no weight on the scale and it does not read 0.0, press the **ZERO/CLEAR** button once to return the display to zero.

## Changing the Weight Measuring Unit (553KL Only)

1. Press the **ON** button to power the scale on.
2. Wait for "0.0" LB or "0.0" KG to appear on the display.
3. Press the **kg/LB** button to toggle to the desired weight measuring unit.

## Locking the Weight Measuring Unit in KG (553KL Only)

**Note:** The weight measuring unit can be locked to only measure in KG or LB.

1. Press the **ON** button to power the scale on.
2. Wait for "0.0" LB or "0.0" KG to appear on the display.
3. Press and hold the **kg/LB** button for approximately 20 seconds until "KG" flashes in the lower right corner of the display. This locks the scale in KG mode and will not display weight in pounds.
4. To release the KG lock, press the **kg/LB** button for approximately 20 seconds until "LB", "OZ" and "KG" flash on the display. The user can now toggle the weight measuring unit between LB and KG.

# MAINTENANCE

## **Maintenance**

The following pages provide instructions for maintenance, cleaning, calibrating, and troubleshooting of 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 overall appearance of the total scale for any obvious damage, wear, and tear.
2. Inspect the AC adapter cord for cracking or fraying, or for broken/bent prongs.
3. Do not store the scale on its side.
4. This scale contains electronic parts. Use it carefully. Do not drop, kick or jump on it.
5. Do not store near chemicals, heaters or radiators.

**Note:** This scale is an extremely sensitive weighing device. If the auto-off function is disabled, battery power will be consumed. Items such as clothing or towels placed or dropped on the scale may cause it to activate. To prevent run down of the batteries, do not store or leave anything on the scale.

## **Cleaning**

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

**Caution: Disconnect the scale from the AC adapter power source prior to cleaning the unit.**

1. Clean all external surfaces with a clean damp cloth. Mild antimicrobial soap and water solution may be used. Dry with a clean soft cloth.
2. Do not immerse the scale into cleaning or other liquid solutions.
3. Do not use abrasive cleaners. Do not use Isopropyl Alcohol or other solutions or sanitizing wipes to clean the display surface.
4. Do not spray the scale with liquid. Never place the scale in water.

## **Replacement Parts**

Parts are 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.

<b>Part #</b>	<b>Description</b>
ADPT30	POWER ADAPTER
1500004001	MEASURING TAPE
1590066001	GRAY PADS ON FEET



# CALIBRATION

**This scale has been factory calibrated, and does not require calibration prior to use.** If required, the scale can be calibrated. Calibration of your scale is performed using kilograms (KG). 20 kilograms total are required for calibrating, applied in 5 kg increments.

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

ACTION	DISPLAY SHOWS
With the scale off, press and hold the <b>ZERO/CLEAR</b> as well as the <b>kg/LB</b> button (553KL) or the blank blue button (553KG). While holding down both buttons, momentarily press the <b>ON/OFF</b> button to power on the scale. When "CAL" appears on the display, release all buttons. Numbers will appear indicating that you can calibrate.	"CAL" followed by "XXXXX"
Press the <b>ZERO/CLEAR</b> button. "C-5" will flash on the display and then return to "0."	"C-5" then "0"
Place 5 kg on the scale and when the calibration number stabilizes, press the <b>ZERO/CLEAR</b> button. "C-10" will flash on the display and then the display will return to "0".	"C-10" then "0"
Place an additional 5 kg on the scale for a total of 10 kg. When the calibration number stabilizes, press the <b>ZERO/CLEAR</b> button. "C-15" will flash on the display and then the display will return to "0".	"C-15" then "0"
Place an additional 5 kg on the scale for a total of 15 kg. When the calibration number stabilizes, press the <b>ZERO/CLEAR</b> button. "C-20" will appear on the display, followed by "0"	"C-20" then "0"
Place an additional 5 kg on the scale for a total of 20 kg. When the calibration numbers stabilize, press the <b>ZERO/CLEAR</b> button. "END" will appear on the display and the scale will automatically shut off.	"END"

# TROUBLESHOOTING

## **Troubleshooting**

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

<b>Symptom</b>	<b>Possible Cause</b>	<b>Corrective Action</b>
Scale does not turn on	<ol style="list-style-type: none"> <li>1. Dead battery</li> <li>2. Faulty electrical outlet</li> <li>3. Bad power supply</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace batteries</li> <li>2. Use a different outlet</li> <li>3. Replace AC adapter</li> </ol>
Questionable weight or the scale does not zero	<ol style="list-style-type: none"> <li>1. External object interfering with the scale</li> <li>2. The display did not show "0.0" before weighing</li> <li>3. Scale is not placed on a level surface</li> <li>4. Scale is out of calibration</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove interfering object from the scale</li> <li>2. Remove the patient from the weighing tray, zero the scale and begin weighing process again</li> <li>3. Place the scale on a level surface and begin weighing process again</li> <li>4. Check weight with known weight value</li> </ol>
The display shows "OVER"	The load on the scale exceeds the capacity 553KL:44 lb / 20 kg; 553KG: 20 kg	Remove the excess weight and use the scale according to its limits
The display shows "UNDER"	Negative weight, indicating a tare was present. Load on the scale is below initial zero point.	Clear scale of any weight and re-zero the scale by pressing <b>ZERO/CLEAR</b> button.
The display shows "Lo"	The batteries are depleted	Replace batteries according to instructions

# 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 West 55<sup>th</sup> Street

McCook, IL 60525

## **Extended Warranty Available**

This scale 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 scales or for a facility's existing scale before its current warranty has expired. To learn more, visit [www.homscales.com/scalesurance/](http://www.homscales.com/scalesurance/) or contact your medical supply distributor.

**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:

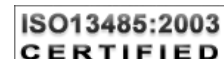
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P/N UM553KL\_ 553KG Rev 20180111\_EngOnly