

Baxter

Welch Allyn

Home

Scale [RPM-SCALE100]

Instructions for use

- # 901077 Weight Scale
- REF RPM-SCALE100, 80031534B
- Revision date: 2025-12



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Introduction

This Instructions for use contains important safety and care information and provides step by step instructions for using the scale. Read the manual thoroughly before using the scale.

Indications for use

The **Welch Allyn** Home Scale is intended for adults and children (10–17 years old) to measure weight in the home.

Symbols and definitions

For information on the origin of these symbols, see the Welch Allyn symbols glossary: [bax.to/docs-wa-symbols](#).

Documentation symbols

	The warning statements in this manual identify conditions or practice that could lead to illness, injury, or death.
	The caution statements in this manual identify conditions or practices that could result in damage to the equipment or other property, or loss of data. This definition applies to both yellow and black and white symbols.
	Follow instructions/directions for use (IFU) -- mandatory action. The blue in this symbol appears black in a black.

Power symbols

	Direct current (DC)
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Shipping, storing, and environment symbols

	Humidity limitation
	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.
	Temperature limit
	Atmospheric pressure limitation
	Recyclable
	Stacking limit by number

Connectivity symbols

	Bluetooth® wireless technology enabled
--	--

Miscellaneous symbols

	Serial Number
	Manufacturer
	Product Identifier

	Date of Manufacturer
	Reorder number
	Global Trade Item Number
	Nonionizing electromagnetic radiation
	Unique device identifier
	The ingress protection: the device could protect against solid foreign objects of 12.5 mm and greater, and against vertically falling water drops when ENCLOSURE tilted up to 15°

	MR Unsafe - keep away from magnetic resonance imaging (MRI) equipment.
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About warnings and cautions

Caution statements can appear on the Home Scale device, packaging, shipping container, or in this Instructions for use.

The Home Scale is safe for users when used in accordance with the instructions and caution statements presented in this Instructions for use.

Before using the device, you must familiarize yourself with all cautions, with the steps to power up the device, and with the sections of this Instructions for use that pertain to your use of the device. In addition to reviewing the general cautions presented in the next section, you must also review the more specific cautions that appear throughout the manual in conjunction with setup/startup, operation, and maintenance tasks.

- Failure to understand and observe any warning statement in this manual could lead to injury or illness.
- Failure to understand and observe any caution statement in this manual could lead to damage to the equipment or other property, or loss of data.

General warnings and cautions

	WARNING Injury risk. Do not use the scale on a slippery floor, such as tile.
	WARNING Injury risk. Do not step onto the platform immediately after bathing or with wet hands.
	WARNING Injury risk. Dispose of accessories, detachable parts, and the device according to the local guidelines.
	WARNING Injury risk. No modification of this equipment is allowed. Modifying the equipment could damage the device or cause injury.
	WARNING Injury risk. Do not touch output of the batteries and the user simultaneously.
	WARNING Injury risk. Before use, make sure the device functions safely and is in proper working condition. Failure to do so could damage the device or cause injury.
	WARNING Explosion and injury risk. Do not replace battery with an incorrect type. Incompatible batteries could explode and cause physical injury. Dispose of used batteries according to instructions.
	WARNING Possible injury risk. The device contains small parts. Keep the device away from children and pets.
	CAUTION Avoid storing the device where the device may be exposed to extreme temperatures, humidity, moisture, direct sunlight, dust, or salt air.
	CAUTION Avoid storing the device where there is risk of shock or dropping.
	CAUTION Avoid storing the device where you store chemicals.
	CAUTION Avoid storing the device where there are corrosive gases.
	CAUTION Avoid storing the device near infants or children.
	CAUTION Do not attempt to repair the unit yourself in the event of malfunctions.
	CAUTION Do not use rechargeable batteries.
	CAUTION Use the scale in the environment described in this Instructions for use. Using the scale in other environments will compromise the performance of the scale and reduce the lifetime of the scale.

Content list

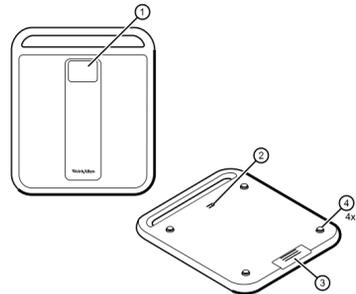
The following items are in the device box:

- Home Scale
- (4) AAA alkaline batteries (1.5V each)
- (4) extension feet for use on carpet
- Instructions for use

Controls and indicators

The Home Scale is simple to use.

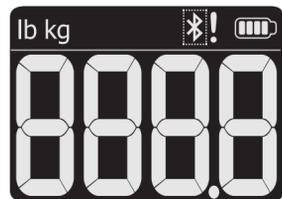
Scale top



No.	Feature	Description
1	LCD display	Displays measurement
2	UNIT / Power button	The button enables you to select kg or lb unit measure. Press and hold for 3 seconds to enter pairing mode.
3	Battery compartment (behind cover)	Houses (4) AAA alkaline batteries (1.5V each)
4	Sensors (4)	4 load cell sensors which conduct weight measurement

Screen elements

The liquid crystal display (LCD) display registers the measurement. The display also may show other icons that provide information about the functionality of the scale.



Icon	Description	Icon	Description
	Kilogram		Pound
	Low battery charge		Full battery charge

Icon	Description	Icon	Description
	Bluetooth wireless technology is powered on		Bluetooth wireless technology connected (dotted area is not flashing)
	Data being transferred using Bluetooth wireless technology (dotted area flashes)		Scale not paired with device

Insert or replace the batteries

CAUTION When the symbol appears, the device will power off in four seconds. Replace the old batteries with a new set of four batteries. Always replace all four batteries with new batteries. Do NOT mix old batteries with new batteries.

CAUTION Remove the batteries if the device is not to be used for some time.

CAUTION Dispose old batteries by following your local recycling guidelines.

CAUTION Do not burn batteries. Batteries may leak or explode.

- Open the battery door on the under side of the scale.
- Insert the four AAA alkaline batteries (1.5V each) into the battery compartment according to the polarity indications marked inside the battery compartment.
- Close the battery door.
- Wait until the digits "0.0lb" appear on the LCD screen.

Install the carpet feet

Install the carpet feet if you use the device on carpet to avoid the device slipping.

- Peel off and remove the rubber stickers on the four corner posts.
- Remove the four carpet feet from the packaging.
- Insert the carpet feet prongs into the posts.

Startup

The Home Scale uses SENSE ON technology to turn on the scale. Step on the scale with bare feet to begin a measurement.

Pair a smartphone, tablet or communication hub with the Home Scale

Advanced **Bluetooth** 4.0 technology enables your smartphone, tablet, or a communication hub to receive your personal health information from your device. You have two alternatives to pair your device with these smart devices.

- If you are using the **Welch Allyn** Home Application, follow the pairing instructions presented in the application.
- Contact your remote monitoring solution provider or use the instructions that the office provided to set up these communications devices.

With either alternative, you complete the same steps on the Home Scale.

NOTE **Bluetooth** wireless connectivity is only available for devices which support **Bluetooth** 4.0 technology.

- Confirm that both the smart device and the Home Scale are powered on.
- Press and hold the unit / power button on the bottom of the scale for 3 seconds.

The **Bluetooth** pairing sequence is activated. The dotted line surrounding the **Bluetooth** symbol flashes while discovering the weight scale.

If successful, a steady **Bluetooth** symbol surrounded by a dotted line appears on the scale's LCD screen. If unsuccessful, the appears.

Select the measurement unit

The default measurement unit is pound (lb). Press the unit / power button on the bottom of the scale to change from pound (lb) to kilogram (kg).

Ensure accurate measurements

To ensure the accuracy of measurements, follow the recommendations below when you start a measurement.

- Place the scale on a flat, hard surface for at least 10 seconds. Obtaining the measurement immediately after placing the scale on a flat, hard surface may affect the accuracy of the measurement.
- If you place the scale on carpet, fit the extension feet before taking the measurement. Placing the scale sensors directly on carpet may affect the accuracy of the measurement.
- Always start a measurement at the same time on the same scale located on the same flat surface.

Obtain measurement

With the original SENSE ON patent technology, the scale automatically powers on when you step on the platform in your bare feet.

- Step on the platform in your bare feet.
The scale automatically powers on and begins the measurement.
- Stand still and keep full contact with the scale until the LCD stops blinking and displays the weight.

Stop a measurement

You can stop a measurement before it is complete by stepping off the platform. The scale returns to a ready / zero state. After approximately 2 seconds, the scale powers down automatically.

Maintain the scale

WARNING Injury risk. Keep the device clean. Contact with a contaminated device can spread infection. Clean the device after each use.

NOTE The scale does not require calibration.

To get the best performance from your scale, follow the maintenance steps below.

- Store the device in a dry place away from direct sunlight.
- Avoid shaking and dropping the device.
- Avoid operating the device in dusty and unstable temperature environments.

CAUTION Use a soft cloth to clean the entire device. Do not use any abrasive or volatile cleaners.

The following agents are compatible with the device:

- 70 percent isopropyl alcohol
- 10 percent chlorine bleach/90 percent water solution

- Clean the scale only when necessary with one of the compatible cleaning agents listed above.
- If necessary, wipe the device with a soft, damp cloth.

Troubleshooting

This section includes a list of error messages and frequently asked questions for problems you may encounter with your Home Scale. To correct an error, follow these instructions or contact Welch Allyn Home Technical Support: hrc_wah_technical_support@baxter.com.

Error prompt

Error	Description	Solution
Dotted lines	Overload. The device will power off	Weight exceeds scale maximum
	Low Battery. The device will power off in four seconds.	Replace all four batteries at the same time. Purchase the authorized batteries for replacement.
Error condition	At any point, when a situation occurs that prevents a successful test	Check the following items:

Error	Description	Solution
E02	Movement while weighing.	Remain motionless while weighing.
Weight fluctuates	Placement on scale is improper Moved scale	Place scale on hard ground, then weigh again after returning scale to 0.0 kg. Place scale on hard ground, then weigh again after returning scale to 0.0 kg.
Cannot power on scale	Batteries inserted improperly	Move scale and insert batteries. Reboot the scale and weigh again.
Scale halted	Electrostatic interference	Move scale and insert batteries. Reboot the scale and weigh again.

When measuring

Problem	Root cause	Solution
No display on the LCD screen or display flickers with the scale powers on	Batteries are not installed or not installed properly Worn batteries	Install the batteries. Go to "Insert or replace the batteries" Replace all four batteries at the same time. Purchase the authorized batteries for replacement.
The scale powers off automatically	Low Battery.	Replace all four batteries at the same time. Purchase the authorized batteries for replacement.
"Bat" symbol appears for 3 seconds then the scale powers off	No batteries	Replace all four batteries at the same time. Purchase the authorized batteries for replacement.
Measurement fluctuates by several pounds from last measurement	Scale was not placed on a hard, flat surface for at least 10 seconds before obtaining measurement	Place the scale on a hard, flat surface for at least 10 seconds before stepping onto the scale to begin the measurement

When transmitting data

Problem	Root cause	Solution
Data transmission failed	Bluetooth wireless technology is off Application is off Out of range of Bluetooth transmission.	Turn on the Bluetooth wireless technology via the Settings. Press the icon to run your application. Place your mobile or portable device closer to the scale.

Specifications

WARNING No modification of this equipment is allowed.

Item	Specification
Power supply	6V 4*AAA alkaline batteries
Display mode	Black LCD with White Backlight V.A.: 74x53mm. The size of display mode is 72.4x51.4mm
Measurement unit	Kilogram / Pound
Measurement range	5kg to 200kg / 11lb to 441lb
Resolution The measurement resolution shall be:	5–50kg: 0.3kg 50–100kg: 0.4kg 100–150kg: 0.5kg 150–200kg: 0.7kg
Operating condition	Temperature: 5°C (41°F) to 40°C (104°F) Humidity: ≤ 85%RH Atmospheric pressure: 860 hPa to 1060 hPa
Storage & transportation condition	Temperature: -20°C (-4°F) to 60°C (140°F) Relative Humidity: 10% RH–93% RH Atmospheric Pressure: 500 hPa to 1060 hPa
Net Weight	Approximately 2.75kg (6.1 lb.) (Excluding the dry cells)
Dimensions	383.5mm x 318.5mm x 37.6mm (15.1 inches x12.54 inches x 1.48 inches) with carpet feet
Accessories	<ul style="list-style-type: none">(4) AAA alkaline batteries(4) extension feetDirections for use
Mode of operation	Continuous operation
Auto-ON	SENSE ON technology
Auto-OFF	About 15 seconds when showing 0.0 About 15 seconds after the weight data is locked
Degree of protection	Type BF applied part
Protection against ingress of water	IP22
Software Version	Version 1.0

General radio compliance

Item	Specification
Bluetooth Module No.	AW51822
RF Frequency Range	2402 MHz to 2480 MHz
Output Power	4.0 dBm
Supply Voltage	1.8-3.6 V
Antenna Gain	0dBi
Transmitting Distance	10 meters, (30 feet)

Federal Communication Commission (FCC) Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment (FCC ID: 2A0JNBS-1507) has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Complied standards list

Item	Standard
Risk management	ISO/EN 14971 Medical devices — Application of risk management to medical devices
Labeling	ISO/EN 15223-1 Medical devices. Symbols to be used with medical device labels, labeling and information to be supplied. General requirements
User manual	EN 1041 Medical equipment manufacturers to provide information
General Requirements for Safety	IEC 60601-1+A1 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance <p>IEC 60601-1-11 Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment</p>
Electromagnetic compatibility	IEC/EN 60601-1-2 Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests
Software life-cycle processes	IEC/EN 62304 Medical device software - Software life cycle processes
Usability	IEC 62366 Medical devices - Application of usability engineering to medical devices (IEC 62366) <p>IEC 60601-1-6 Medical electrical equipment - Part 1 -6 : General requirements for basic safety and essential performance - collateral standard: Usability</p>

Warranty

Welch Allyn will warranty the Home Scale to be free of defects in material and workmanship and to perform in accordance with manufacturer specifications for the period of two years from the date of retail purchase.

The warranty period shall start on the date of purchase. The date of purchase is: 1) the invoiced ship date if the device was purchased directly from Welch Allyn, 2) the date specified during product registration, 3) the date of purchase of the product from a Welch Allyn authorized distributor as documented from a receipt from said distributor.

This warranty does NOT cover damages caused by misuse or abuse, including but not limited to:

- Failure caused by unauthorized repairs or modifications
- Damage caused by shock or dropping during transportation
- Damage caused by improper use of the power supply
- Failure caused by improper operation not consistent with the instructions stated in this Directions for use

Should this device require maintenance (or replacement at our option) under warranty, please deliver the original package to Welch Allyn prepaid. Please return the store receipt (with the retail purchase date) and a note with the reasons for the return.

Approved accessories

Item	Description
RPMSCALEACC-01	Carpet Feet 40EA

Emissions and immunity information

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments. The device is intended for use in the electromagnetic environment specified below. The customer or user of the device should assure that it is used in such an environment.

WARNING Do not use near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

WARNING Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

WARNING Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

WARNING Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

CAUTION Wireless communications equipment, such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can affect this equipment and should be kept at least a distance d=3,3m away from the equipment.

NOTE As indicated in Table 6 of IEC 60601-1-2:2007 for ME Equipment, a typical cell phone with a maximum output power of 2 W yields d=3,3m at an IMMUNITY LEVEL of 3V/m).

Table 1 - Guidance and manufacturer's declaration - Electromagnetic emissions

Emissions test	Compliance
RF emissions <p>CISPR 11</p>	Group 1
RF emissions <p>CISPR 11</p>	Class B
Harmonic emissions <p>IEC 61000-3-2</p>	Not applicable
Voltage fluctuations/flicker emissions <p>IEC 61000-3-3</p>	Not applicable

Table 2 – Guidance and manufacturer's declaration - Electromagnetic immunity

Immunity test	IEC 60601 test level	Compliance level
Electrostatic discharge (ESD) <p>IEC 61000-4-2</p>	±8 kV contact <p>±2 kV, ±4 kV, ±8 kV, ±15 kV air</p>	±8 kV contact <p>±2 kV, ±4 kV, ±8 kV, ±15 kV air</p>
Radiated RF <p>IEC 61000-4-3</p>	10 V/m <p>80 MHz – 2,7 GHz <p>80 % AM at 1 kHz</p></p>	10 V/m <p>80 MHz – 2,7 GHz <p>80 % AM at 1 kHz</p></p>
Electrical fast transient/burst	Not applicable	Not applicable

Immunity test	IEC 60601 test level	Compliance level
Surge <p>IEC 61000-4-5</p>	Not applicable	Not applicable
Conducted RF <p>IEC61000-4-6</p>	Not applicable	Not applicable
Power frequency magnetic field <p>IEC 61000-4-8</p>	30 A/m <p>50Hz/60Hz</p>	30 A/m <p>50Hz/60Hz</p>
Voltage dips, short interruptions and voltage variations on power supply input lines <p>IEC 61000-4-11</p>	Not applicable	Not applicable

NOTE U_T is the AC mains voltage prior to application of the test level.

Table 3 – Guidance and manufacturer's declaration - Electromagnetic immunity

Immunity Test	IEC 60601-test-level	Compliance Level		
	Test Frequency	Modulation	IMMUNITY TEST LEVEL (V/m)	
Proximity magnetic fields <p>IEC61000-4-39</p>	30kHz	CW	8 A/m	8 A/m
	134.2kHz	Pulse modulation 2.1kHz	65 A/m	65 A/m
	13.56kHz	Pulse modulation 50kHz	7.5 A/m	7.5 A/m

Table 4 – Guidance and manufacturer's declaration - Electromagnetic immunity

	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Modulation (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)
Radiated RF <p>IEC61000-4-3</p> <p>(Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)</p>	385	380-390	TETRA 400	Pulse modulation 18Hz	1.8	0.3	27
	450	430-470	GMRS 460, FRS 460	FM ± 5kHz deviation 1kHz sine	2	0.3	28
	710	704-787	LTE Band 13, 17	Pulse modulation 217Hz	0.2	0.3	9
	745						
	780						
	810	800-960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18Hz	2	0.3	28
	870						
	930						
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900;	Pulse modulation 217Hz	2	0.3	28
	1845						
	1970		DECT; LTE Band 1, 3, 4, 25; UMTS				
	2450	2400-2570	Bluetooth , WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217Hz	2	0.3	28
	5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217Hz	0.2	0.3	9
	5500						
	5785						