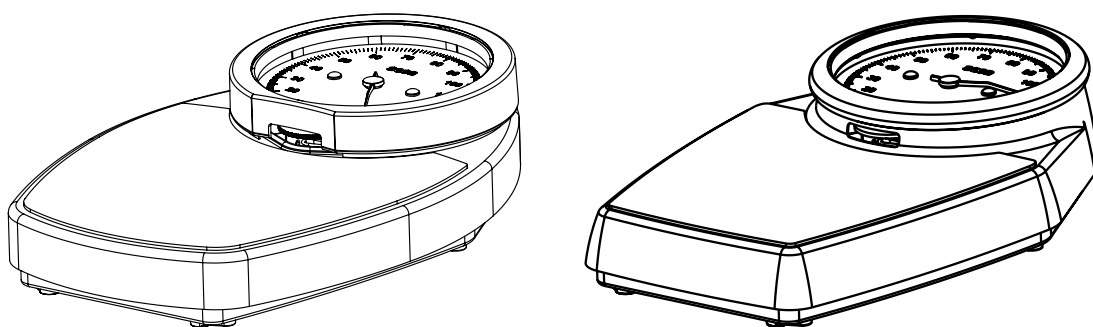


# **seca 750 seca 761/760 seca 762**

## **Instructions for use**

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# 1 DESCRIPTION OF DEVICE

## 1.1 Intended use

The mechanical flat scale supports physicians in decision-making regarding diagnosis or therapy, based on the patient's weight or weight changes.

## 1.2 User qualification

The device may only be used by persons with sufficient expertise.

## 1.3 Patient target group

The scale is intended for persons of any age who can stand independently on the scale and who do not exceed the maximum weight capacity of the scale.

## 1.4 Contraindications

No contraindications are known.

## 1.5 Clinical benefit

The mechanical flat scale supports physicians in decision-making regarding diagnosis or therapy, based on the measured weight.

By that, the mechanical flat scale only provides an indirect clinical benefit.

The physician must perform additional examinations for an accurate diagnosis.

## 1.6 Functional description

With a mechanical dial scale weight is calculated via a load lever system.

Before weighing takes place, the zero point can be manually reset each time with the adjusting wheel.

Verified scales are supplied with a kg scale.

Non-verified scales are supplied with a kg, lbs, kg/lbs, or a kg/sts scale depending on the model.

## 2 SAFETY INFORMATION

### 2.1 Safety information in these instructions for use



#### **DANGER!**

Used to identify an extremely hazardous situation. If you fail to take note of this information, serious irreversible or fatal injuries will occur.



#### **WARNING!**

Used to identify an extremely hazardous situation. If you fail to take note of this information, serious irreversible or fatal injuries may result.



#### **CAUTION!**

Used to identify a hazardous situation. If you fail to take note of this information, minor to moderate injuries may result.

#### **NOTICE!**

Used to identify possible incorrect usage of the device. If you fail to take note of this information, you may damage the device, or the measuring results may be incorrect.

#### **NOTE**

Includes additional information about use of the device.

### 2.2 Basic safety information

#### Handling device

- ▶ Please take note of the information in these instructions for use.
- ▶ Keep the instructions for use in a safe place. The instructions for use are a component of the device and must be available at all times.
- ▶ In the interest of patient safety, you and your patients are obliged to report serious events that occur in connection with this product to the manufacturer and to the authority responsible in your country.



#### **CAUTION!**

##### **Patient hazard, damage to device**

- ▶ Have servicing carried out regularly as described in the relevant section of this document.
- ▶ Technical modifications may not be made to the device. The device does not contain any user-serviceable parts. Only have servicing and repairs performed by an authorized seca service partner. You can find your local service partner at [www.seca.com](http://www.seca.com).
- ▶ Use only seca original accessories and spare parts, otherwise seca will not grant any warranty.

## Avoiding infections



### **WARNING!** **Risk of infection**

- ▶ Before and after every measurement, wash your hands to reduce the risk of cross-contamination and nosocomial infections.
- ▶ Should the patient have contagious diseases, subject the device to a hygiene treatment as described in the relevant section of these instructions for use immediately afterwards.
- ▶ Ensure that the patient does not have any open wounds or infectious skin alterations which may come into contact with the device.
- ▶ Subject the device to a hygiene treatment at regular intervals.

## Avoiding injuries



### **WARNING!** **Injury from falling**

- ▶ Ensure that the device is steady and level.
- ▶ Support people with limited mobility when they step on and off the scale.
- ▶ Only use this scale for patients who are able to stand on their own when being weighed.
- ▶ Ensure that the patient does not step directly onto or off the edges of the weighing platform.
- ▶ Ensure that the patient steps onto and off the weighing platform slowly and safely.



### **WARNING!** **Danger of slipping**

- ▶ Ensure that the weighing platform is dry before the patient steps onto it.
- ▶ Ensure that the patient has dry feet before stepping onto the weighing platform.
- ▶ Ensure that the patient steps onto and off the weighing platform slowly and safely.

## Preventing damage to device

### **NOTICE!** **Damage to device**

- ▶ Do not drop the device.
- ▶ Do not subject the device to shocks or vibrations.
- ▶ Perform a function check before each use as described in the corresponding section in this document. Do not operate the device if it is not working properly or is damaged.
- ▶ Use only cleaning agents and disinfectants that match the details in the section entitled "Hygiene treatment".
- ▶ For scales: Ensure that maximum capacity is not exceeded.

## Handling measuring results



### **CAUTION!**

#### **Patient hazard**

To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters). Some devices have the option of displaying measuring results in different units. This is purely an additional function.

- ▶ Only use measuring results in SI units.
- ▶ The user takes sole responsibility for the use of measuring results in non-SI units.
- ▶ If your scale is unable to display non-SI units, you can use the conversion tool in this document.

### **NOTICE!**

#### **Inconsistent measuring results**

- ▶ Before you save and continue using measured values determined using this device (e.g. in seca software or in an EMR system), ensure that the measured values are plausible.
- ▶ If measured values have been sent to seca software or to an EMR system, ensure before continuing to use them that the measured values are plausible and assigned to the correct patient.

## Handling packaging material



### **WARNING!**

#### **Risk of suffocation**

Packaging materials made of plastic film (bags) present a risk of suffocation.

- ▶ Store packaging material out of the reach of children.
- ▶ If the original packaging material is no longer available, only use plastic bags with safety holes to reduce the risk of suffocation. Use recyclable materials if possible.

### **NOTE**

Store the original packaging material for future use (e.g. returning for servicing).

## 3 OVERVIEW

### 3.1 Controls

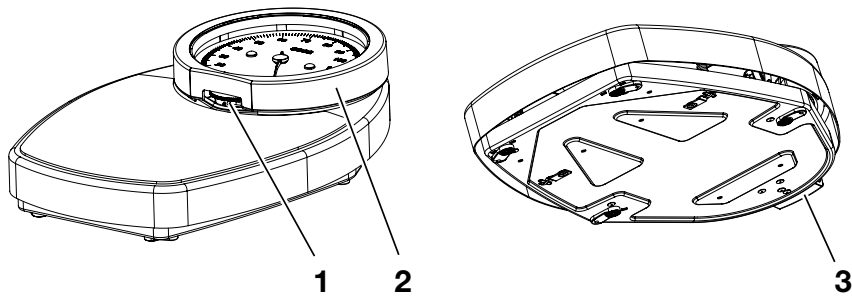


Fig. 1: seca 750

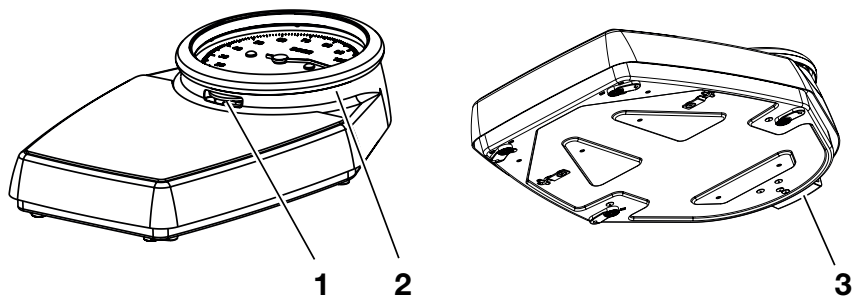










Fig. 2: seca 760/761/762

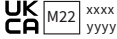


Item	Control	Function
1	Adjusting wheel	For adjusting the display
2	Protecting ring	<ul style="list-style-type: none"><li>Protects the pointer and dial</li><li>Can be removed for cleaning (<b>seca 760/761/762</b>)</li></ul>
3	Transport lock	<ul style="list-style-type: none"><li>Prevents movement between the weighing platform and the lower part of the housing during transport</li><li>Can be used as a wall spacer</li></ul>









## 3.2 Labels

Markings on the device and on the type plate	
Text/symbol	Meaning
	Name and address of manufacturer, date of manufacture
UDI	Unique Device Identification (product identification number as per Directive (EU) 2017/745)
	Article number
	Serial number
ProdID	seca product identification number
Approval Type	Type designation of design approval
	Follow instructions for use
e	Value in units of mass (verified models) Used to classify and verify a scale
d	Value in units of mass (non-verified models) States the difference between two consecutive display values
	Class III scale in accordance with Directive 2014/31/EU (verified models)
	<ul style="list-style-type: none"> <li>Unit used for scale (here: kg)</li> <li>Part of scale below the minimum capacity: For technical reasons no meaningful measuring results are possible in this range.</li> </ul>
	<p>Device complies with EU directives.</p> <ul style="list-style-type: none"> <li><b>M</b>: Conformity label in compliance with directive 2014/31/EU for non-automatic scales (verified models)</li> <li><b>22</b>: (Example: 2022) Year in which conformity verification was performed and the CE label was applied (verified models)</li> <li><b>0102</b>: Notified Body for Metrology (verified models)</li> <li><b>0123</b>: Notified Body for Medical Devices</li> </ul>
	Medical device in accordance with Regulation (EU) 2017/745

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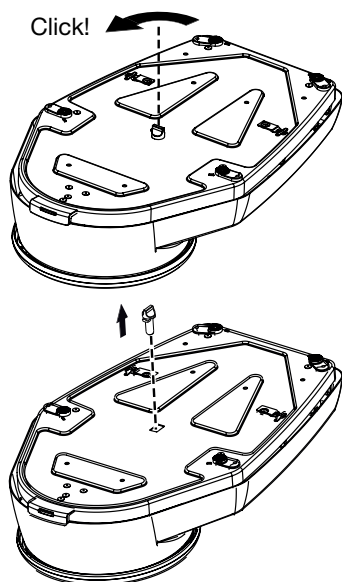


Markings on the device and on the type plate	
Text/symbol	Meaning
	<p>Device complies with United Kingdom directives</p> <ul style="list-style-type: none"> <li>• <b>M</b>: Conformity label in compliance with UK directive SI 2016 no. 1152 for non-automatic scales (NAWIR)(verified models)</li> <li>• <b>22</b>: (Example: 2022) Year in which declaration of conformity was implemented and the UKCA label was applied (verified models)</li> <li>• <b>xxxx</b>: Notified Body for Medical Devices of the United Kingdom</li> <li>• <b>yyyy</b>: Notified Body for Metrology of the United Kingdom (verified models)</li> </ul>
	<p>Importer/representative in the United Kingdom:</p> <p>seca Ltd 40 Barn Street B5 5QB Birmingham United Kingdom</p>
	<p>Importer/representative in Switzerland:</p> <p>seca ag (schweiz) Medizinische Waagen und Messsysteme Schönmatt Str. 2 CH-4153 REINACH</p>

Markings on the packaging	
Symbol	Meaning
	Protect from moisture
	Arrows indicate top of product Transport and store in an upright position
	Fragile, do not throw or drop
	Permitted min. and max. temperature for transport and storage
	Permitted min. and max. humidity for transport and storage
	Permitted min. and max. air pressure for transport and storage
	Open packaging here
	Packaging material can be disposed of through recycling programs

## 4 STARTING UP DEVICE

### 4.1 Removing locking pin



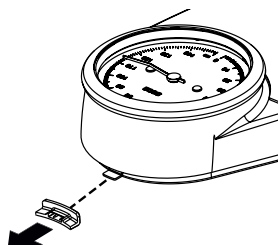
1. Move the locking pin on the underside of the housing through a quarter turn counter-clockwise.

2. Pull the locking pin out.

#### NOTE

- Put the locking pin in a safe place for subsequent transport of the scale.

### 4.2 Removing transport lock

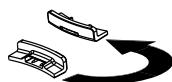


- Remove the transport lock from the lower part of the housing.

#### NOTE

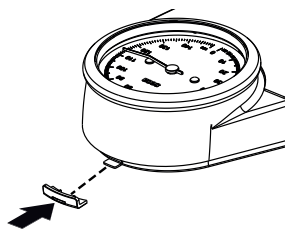
- Put the transport lock in a safe place for subsequent transport of the scale.
- You can use the transport lock as a wall spacer (→ [Fitting wall spacer, page 28](#)).

### 4.3 Fitting wall spacer



If you wish to position the scale close to a wall, seca recommends using the transport lock (see section “Removing transport lock”) as a wall spacer. This stops the weighing platform from touching the wall and the measuring result from being incorrect.

1. Position the transport lock as shown in the adjacent drawing.



2. Attach the transport lock to the lower part of the housing.

## 4.4 Setting up device



### CAUTION!

#### Faulty measurement as a result of devices being set up incorrectly

Soft floors, such as wooden boards, give under the patient's weight and falsify the measuring result. Incorrect ambient conditions or lack of alignment lead to measurement errors.

- ▶ Select a setup location with a level, stable floor in order to achieve precise measuring results.
  - ▶ Use the device only in the intended ambient conditions outlined in the section entitled "Technical data".
  - ▶ Ensure the device is aligned before using it and every time it changes location.
- ▶ Place the device on a firm, level surface.

## 5 WEIGHING



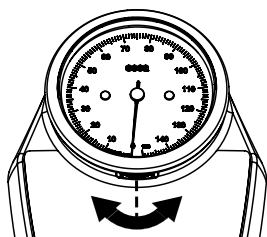
### CAUTION!

#### Personal injury/faulty measurement

- ▶ Before using the device each time, perform a function check as described in the corresponding section of these instructions for use.

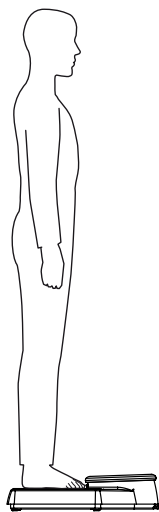
### 5.1 Adjusting display

To obtain meaningful measured values, you must check before every use that the pointer of the scale reads "0".



1. Ensure that there is no load on the scale.
2. Check the current position of the pointer.
3. Move the adjusting wheel so that the pointer reads "0".
  - Turn clockwise: Pointer moves counter-clockwise
  - Turn counter-clockwise: Pointer moves clockwise

## 5.2 Weighing a patient



### CAUTION!

**Patients can be injured if they fall**

People with restricted mobility can fall when they try to step on or off the scale.

- ▶ Support people with limited mobility when they step on and off the scale.
- ▶ Only use this scale for patients who are able to stand on their own when being weighed.

1. Make sure that the pointer of the scale reads "0".
2. Ask the patient to step onto the scale and keep still.
3. Read off the measuring result.

### NOTE

If your scale displays measured values in "lbs" only, you can use the conversion tool to convert measured values to values in kg (→ [Conversion tool, page 36](#)).

4. Ask the patient to step off the scale.

## 6 HYGIENE TREATMENT



### WARNING!

**Risk of infection**

- ▶ Subject the device to a hygiene treatment at regular intervals as described in this section.

### NOTICE!

**Damage to device**

Unsuitable cleaning agents and disinfectants may damage the sensitive surfaces of the device and lead to transparent components becoming clouded.

- ▶ Do not use aggressive or abrasive cleaning agents.
- ▶ Do not use organic solvents (e.g. white spirit or petroleum spirit).

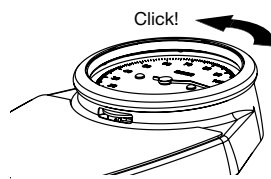
## 6.1 Cleaning

### Cleaning housing

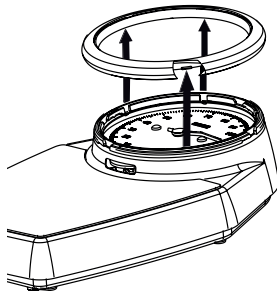
- If required, moisten a soft cloth with a mild soapy solution and wipe the device over with it.

### Cleaning protecting ring and scale (seca 760/761/762)

You can take the protecting ring off the weighing platform to clean the inside of the protecting ring and the scale.



1. Turn the protecting ring counter-clockwise.



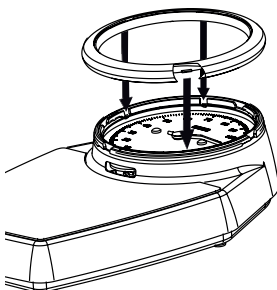
2. Take the protecting ring off.

**NOTICE!**  
**Damage to device**

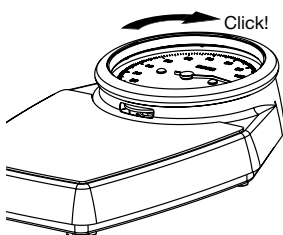
When the protecting ring has been taken off, the pointer and scale of the device are freely accessible. If these parts are damaged, meaningful measuring results will not be possible.

- Check that the pointer and scale have not been damaged during cleaning.

3. Clean these parts with a soft cloth moistened with a mild soapy solution:
  - Scale
  - Inside of protecting ring



4. Put the protecting ring back on the housing.



5. Turn the protecting ring clockwise to re-secure.

## 6.2 Disinfecting

1. Disinfect the device at regular intervals with a disinfectant suitable for sensitive surfaces and acrylic glass (e.g. 70 % ethanol).
2. Follow the instructions for use for the disinfectant.
3. Disinfect the device as follows:
  - Moisten a soft cloth with disinfectant and wipe down the device with it.
  - Comply with the intervals, see table:

Interval	Component
<b>Before</b> every measurement with direct skin contact	Weighing platform
<b>After</b> every measurement with direct skin contact	Weighing platform
As required	Protecting ring and viewing window

## 6.3 Sterilizing

The device must not be sterilized.

# 7 FUNCTION CHECK

- Perform a function check before each use.

A complete function check includes:

- A visual inspection for mechanical damage
- A test of the alignment of the device
- A visual and function check of the display elements
- A function check of all the controls shown in the section entitled "Overview"
- A function check of the optional accessories

If you find faults or deviations during the function check, first try to remedy the fault with the aid of the "Troubleshooting" section in this document.



### **CAUTION!** **Personal injury**

If you find faults or deviations during the function check which you are unable to remedy with the aid of the "Troubleshooting" section in this document, you must not use the device.

- Have the device repaired by seca Service or an authorized service partner.
- Follow the section entitled "Servicing" in this document.

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## 8 TROUBLESHOOTING

If faults occur when operating the device, first attempt to remedy them yourself using the following table. If the fault persists, contact seca Service or an authorized service partner.

Fault	Cause	Remedy
Scale shows no weight although there was a load on it	The device is not ready for use	Remove transport lock
Scale does not show a plausible weight value	Before weighing pointer does not read <b>0</b>	Adjust display
	Force shunt: scale is e.g. touching a wall, or patient is supporting his/her weight against the wall	<ul style="list-style-type: none"> <li>• Move scale away from wall</li> <li>• Use transport lock as wall spacer</li> <li>• Ask patient to stand on the scale unaided</li> </ul>

## 9 SERVICING

### 9.1 Non-verified scales

The product needs to be set up carefully and serviced regularly. Depending on how frequently the product is used, seca recommends servicing at intervals of 3 to 5 years.



#### CAUTION!

**Faulty measurements as a result of poor servicing**

- ▶ Have servicing and repairs carried out exclusively by seca Service or an authorized service partner.
- ▶ You can find your local service partner at [www.seca.com](http://www.seca.com).

### 9.2 Verified scales



#### CAUTION!

**Faulty measurements as a result of verification being performed poorly or not at all**

- ▶ Have verification performed only by authorized persons.
- ▶ Always have verification performed if one or more quality seals are damaged.

seca recommends having your device serviced prior to verification.



#### CAUTION!

**Faulty measurements as a result of poor servicing**

- ▶ Have servicing and repairs carried out exclusively by seca Service or an authorized service partner.
- ▶ You can find your local service partner at [www.seca.com](http://www.seca.com).

## 10 TECHNICAL DATA

### 10.1 General technical data

Dimensions <b>seca 750</b> <ul style="list-style-type: none"> <li>• Depth</li> <li>• Width</li> <li>• Height</li> </ul>	477 mm 317 mm 117 mm
Dimensions <b>seca 760/761/762</b> <ul style="list-style-type: none"> <li>• Depth</li> <li>• Width</li> <li>• Height</li> </ul>	470 mm 303 mm 118 mm
Net weight	approx. 3.5 kg
Temperature range <ul style="list-style-type: none"> <li>• Operation</li> <li>• Storage</li> <li>• Transport</li> </ul>	+10 °C to +40 °C (50 °F to 104 °F) -10 °C to +65 °C (14 °F to 149 °F) -10 °C to +65 °C (14 °F to 149 °F)
Air pressure <ul style="list-style-type: none"> <li>• Operation</li> <li>• Storage</li> <li>• Transport</li> </ul>	700 – 1060 hPa 700 – 1060 hPa 700 – 1060 hPa
Humidity <ul style="list-style-type: none"> <li>• Operation</li> <li>• Storage</li> <li>• Transport</li> </ul>	30 % – 80 %, no condensation 0 % – 95 %, no condensation 0 % – 95 %, no condensation
Medical device in accordance with Regulation (EU) 2017/745	Class I with measuring function

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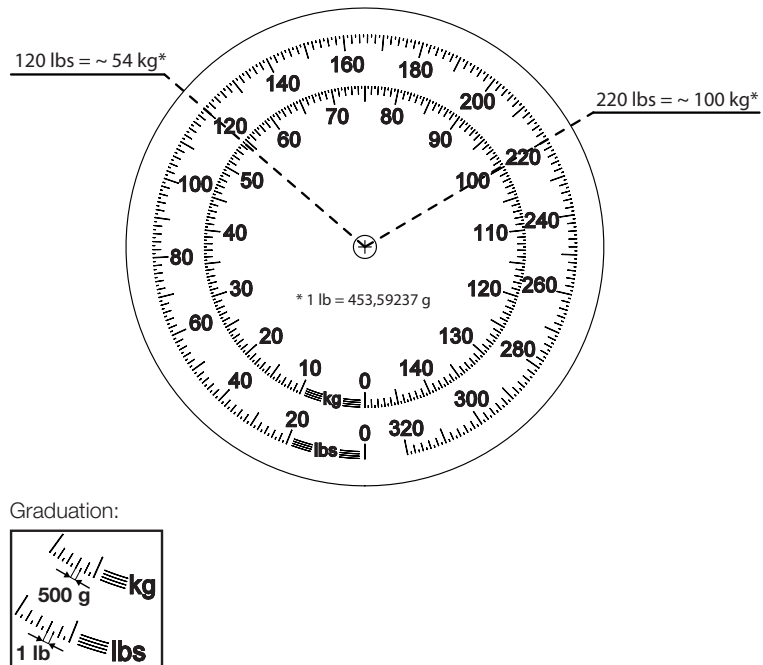
## 10.2 Weight measurement

<b>seca 761</b>	
Verification in line with Directive 2014/31/EU	Class IIII
Maximum capacity	150 kg
Minimum capacity	10 kg
Graduation	1 kg
Zero adjustment range	20 kg
Accuracy on initial verification:	
• 10 kg to 50 kg	± 0.5 kg
• 50 kg to 150 kg	± 1 kg

<b>seca 750/760/762</b>	
Maximum capacity	150 kg / 320 lbs / 23 sts
Minimum capacity	10 kg / 20 lbs / 1 sts
Graduation <b>seca 750/760</b>	1 kg / 1 lbs / 1 lbs
Graduation <b>seca 762</b>	0.5 kg / 1 lbs / 1 lbs
Zero adjustment range	20 kg / 45 lbs / 3 sts
Accuracy:	
• 10 kg to 80 kg	± 1 kg
• 80 kg to 150 kg	± 1.25 %
• 20 lbs to 180 lbs	± 2.2 lbs
• 180 lbs to 320 lbs	± 1.25 %
• 1 sts to 12 sts	± 0.2 sts
• 12 sts to 23 sts	± 1.25 %

## 10.3 Conversion tool

On some models measured values are shown only in "lbs". With these models you can use the following conversion tool to convert measured values to values in kg.



## 11 DISPOSING OF THE DEVICE

This device consists of high-quality raw materials which can be recycled. Dispose of the device in accordance with the local laws and regulations applicable in your country.

## 12 WARRANTY

There is a two-year warranty period from delivery for defects attributable to poor materials or workmanship. All movable parts, e.g. batteries, cables, power supply units, rechargeable batteries etc. are exempt. Defects which come under the warranty will be repaired for the customer free of charge against proof of purchase. Additional claims cannot be considered. Costs of transport to and from seca are the responsibility of the customer if the device is located somewhere other than the customer's headquarters. In the event of transport damage, claims under warranty can only be made if the complete original packaging was used for transport and the device was secured and fastened in it according to its originally packaged condition. You should therefore keep all packaging parts.

The warranty will be voided if the device is opened by persons not expressly authorized by seca to do so.

In the event of a warranty issue, please contact your local seca office or the dealer from whom you ordered the product.

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## 13 DECLARATION OF CONFORMITY



seca gmbh & co. kg hereby declares that the product complies with the terms of the applicable European directives and regulations. The unabridged declaration of conformity can be found at [www.seca.com](http://www.seca.com).

# Medical Measuring Systems and Scales since 1840

seca gmbh & co. kg  
Hammer Steindamm 3–25  
22089 Hamburg · Germany  
T +49 40 20 00 00 0  
F +49 40 20 00 00 50  
E [info@seca.com](mailto:info@seca.com)

seca operates worldwide with headquarters  
in Germany and branches in:

[seca france](#)  
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