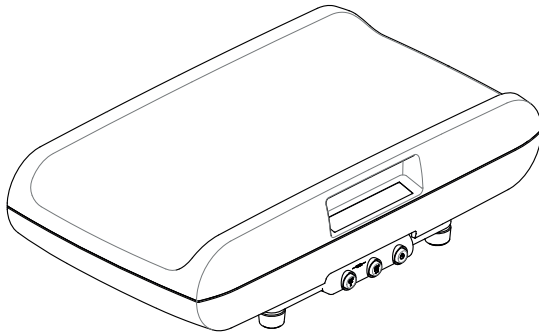


# seca 727



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# 1. FULL CERTIFICATION



With seca products, you are not only purchasing technology which has been perfected over 100 years, but also quality with official legal certification confirmed by institutions. seca products comply with European directives, standards and national laws. When you buy seca, you buy the future.



seca's professionalism is also recognized by official testing agencies. TÜV SÜD Product Service, the appointed office for medical devices, confirms with this certificate that as a medical devices manufacturer, seca consistently complies with the strict legal requirements. seca's quality assurance system includes the areas of design, development, production, sales and service of medical scales and length measuring systems as well as software and measuring systems for assessing state of health and nutrition.



seca helps the environment. Saving natural resources is very important to us. We therefore make every effort to save on packaging materials wherever it makes sense and whatever is left over can be conveniently disposed of on site via the recycling system.

## 2. DESCRIPTION OF DEVICE

### 2.1 Congratulations!

---

By purchasing the **seca 727** electronic baby scale you are now in possession of an extremely accurate yet robust device.

seca has put its experience at the service of health care for over 170 years and as a market leader in many countries, is constantly setting new standards with its innovative developments for weighing and measurement.

### 2.2 Intended use

---

The **seca 727** electronic baby scale is mainly used in hospitals, medical practices and in-patient care facilities in accordance with national regulations. It is both for determining birth weight and for checking weight gain during the growth process and supports the doctor supervising treatment in making a diagnosis or deciding on treatment.

### 2.3 Description of function

---

On the **seca 727** electronic baby scale, weight is determined by a load cell.

On some variants of this scale, the weight display can be switched between kilograms (kg) and pounds (lbs). Weight is determined within a few seconds.

The **seca 360° wireless** network allows the measured results to be transmitted wirelessly to a seca wireless printer or to a PC equipped with a seca USB wireless adapter and compatible seca PC software.

Use the scale only for the purpose quoted in the section entitled “Intended use” on page 46.

### 2.4 User qualification

---

The device may only be operated by healthcare professionals.

## 3. SAFETY INFORMATION

### 3.1 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 measured results may be incorrect.

**NOTE**

Includes additional information about use of the device.

### 3.2 Basic safety precautions

---

**Handling the 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.

**DANGER!****Risk of explosion**

Do not use the device in an environment in which one of the following gases has accumulated:

- oxygen
- flammable anesthetics
- other flammable substances/air mixtures

**CAUTION!****Patient hazard, damage to device**

- Additional devices which are connected to electrical medical devices must provide evidence of compliance with the relevant IEC or ISO standards (e.g. IEC 60950 for data-processing devices). Furthermore, all configurations must comply with the requirements of standards for medical systems (see IEC 60601-1-1 or Section 16 of the 3rd edition of IEC 60601-1 respectively). Anyone connecting additional devices to electrical medical devices is considered a system configurer and is therefore responsible for ensuring that the system complies with the requirements of standards for systems. Your attention is drawn to the fact that local laws take precedence over the above-mentioned requirements of standards. In the event of any queries, please contact your local specialist dealer or Technical Service.
- 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 parts for servicing by the user. Only have servicing and repairs performed by an authorized seca service partner.
- Only use original seca accessories and spare parts, otherwise seca will not grant any warranty.

**CAUTION!****Patient hazard, malfunction**

- Keep other electrical medical devices, e.g. high-frequency surgical devices, a minimum distance of approx. 1 meter away to prevent incorrect measurements or wireless transmission interference.
- Keep HF devices such as cell phones a minimum distance of approx. 1 meter away to prevent incorrect measurements or wireless transmission interference.



- The actual transmission output of HF equipment may require minimum distances of more than 1 meter.

## Preventing electric shock



### **WARNING!**

#### **Electric shock**

- Set up the device so that the power supply socket is easy to reach and the device can be disconnected from the power supply quickly.
- Ensure that your local power supply matches the information on the power supply unit.
- Do not touch the power supply unit with wet hands.
- Do not use extension cables or power strips.
- Ensure that the power cable is not pinched or damaged by a sharp edge.
- Do not operate the device at an altitude of more than 3000 m above sea level.

## Avoiding infections



### **WARNING!**

#### **Risk of infection**

- Hygienically reprocess the scale regularly as described in the respective section in this document.
- Make sure that the patient has no infectious diseases.
- Make sure that the patient has no open wounds or infectious skin alterations, which may come into contact with the device.

## Avoiding injury



### **WARNING!**

#### **Risk of falling**

Baby scales generally stand on raised work surfaces. If the baby falls from this surface, this may result in serious irreversible or fatal injuries.

- Ensure that the device is steady and level.
- Route connecting cables (if present) in such a way that people cannot trip over them.
- Never leave a baby unsupervised.

## Avoiding damage to the device

### ATTENTION!

#### Damage to device

- Ensure that no liquids enter the device. They can damage the electronics.
- Switch off the device before disconnecting the power supply unit from the mains socket.
- Disconnect the power supply unit from the mains socket if you intend to not use the device for a longer period of time. Only this way it can be ensured that the device is currentless.
- Make sure not to drop the device.
- Do not expose the device to any impacts or vibrations.
- Perform function controls regularly as described in the relevant section in this document. Do not operate the device if it is damaged or not working properly.
- Ensure that there is no heat source in the immediate vicinity. Do not expose to direct sunlight. The excessive temperature could damage the electronics.
- Avoid rapid temperature fluctuations. When the device is transported so that a temperature difference of more than 20 °C occurs, it must stay turned off for at least 2 hours before it can be turned on again. Otherwise, condensation water will form which can damage the electronics.
- Caustic detergents may damage the surfaces. Only use a soft cloth dampened with mild soapsuds to clean the surfaces of the device.
- Only use disinfectants suitable for sensitive surfaces. Suitable disinfectants are available from specialist dealers.

## Handling the measurement results



### WARNING!

#### Patient hazard

This device is **no** diagnostic device. It simply assists the treating physician in establishing a diagnosis.

- In order to make a precise diagnosis and initiate therapeutic measures, besides determination of the weight, further targeted

examinations must be set up by the physician, and their results must be considered.

- The responsibility for diagnosis and treatment lies with the treating physician.



### **CAUTION!**

#### **Patient hazard**

In order to avoid misinterpretations, test results for medical use must be displayed and used in SI units (Weight: kilogrammes, length: metres) only. Some devices offer the ability to display test results in other units. This is only an additional function.

- Use the results exclusively in SI units.
- The use of measurement results in non-SI units is the sole responsibility of the user.

### **ATTENTION!**

#### **Inconsistent measuring results**

- Before you electronically save measurement values determined using this device and use them further (e.g. in seca PC software or in a hospital information system), make sure that the measurement values are plausible.
- If measurement values are transmitted to seca PC software or a hospital information system, make sure prior to further use that the measurement values are plausible and are assigned to the correct patient.

## **Handling the packaging material**



### **WARNING!**

#### **Risk of suffocation**

Packaging material made of plastic foil (bags) is a choking hazard.

- Keep packaging material out of reach of children.
- In the event that the original packing material may not be available anymore, only use plastic bags with security holes in order to reduce the risk of suffocation.

### **NOTE**

Keep the original packing material for future use (e.g. returning for maintenance service).

### 3.3 Handling the (rechargeable) batteries

---

This instrument is delivered with a rechargeable battery block. Heed the following safety instructions.



#### **WARNING!**

##### **Personal injury due to improper handling**

Batteries and rechargeable batteries contain harmful substances which may explode if not handled properly.

- Do not try to recharge batteries.
- Do not expose (rechargeable) batteries to heat.
- Do not burn (rechargeable) batteries.
- If acid is leaking out, avoid contact with the skin, eyes and mucous membranes. Rinse affected areas with plenty of clean water and seek medical help at once.

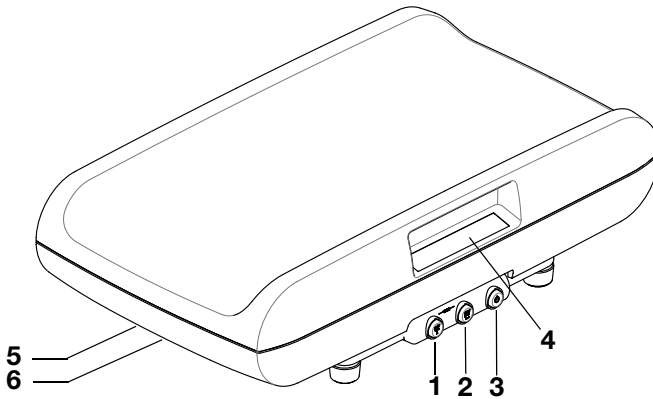
#### **ATTENTION!**




##### **Damage to device and malfunctions with improper handling**

- Only use the type of (rechargeable) battery specified in this document.
- When replacing (rechargeable) batteries, always replace a complete set at a time.
- Do not short-circuit (rechargeable) batteries.
- If you do not use the device for a long period of time, remove the batteries (incl. rechargeable batteries). This prevents acid from leaking into the device.
- If acid leaked into the device, discontinue use. Have the device checked by an authorised seca service partner and repaired if necessary.

## 4. OVERVIEW

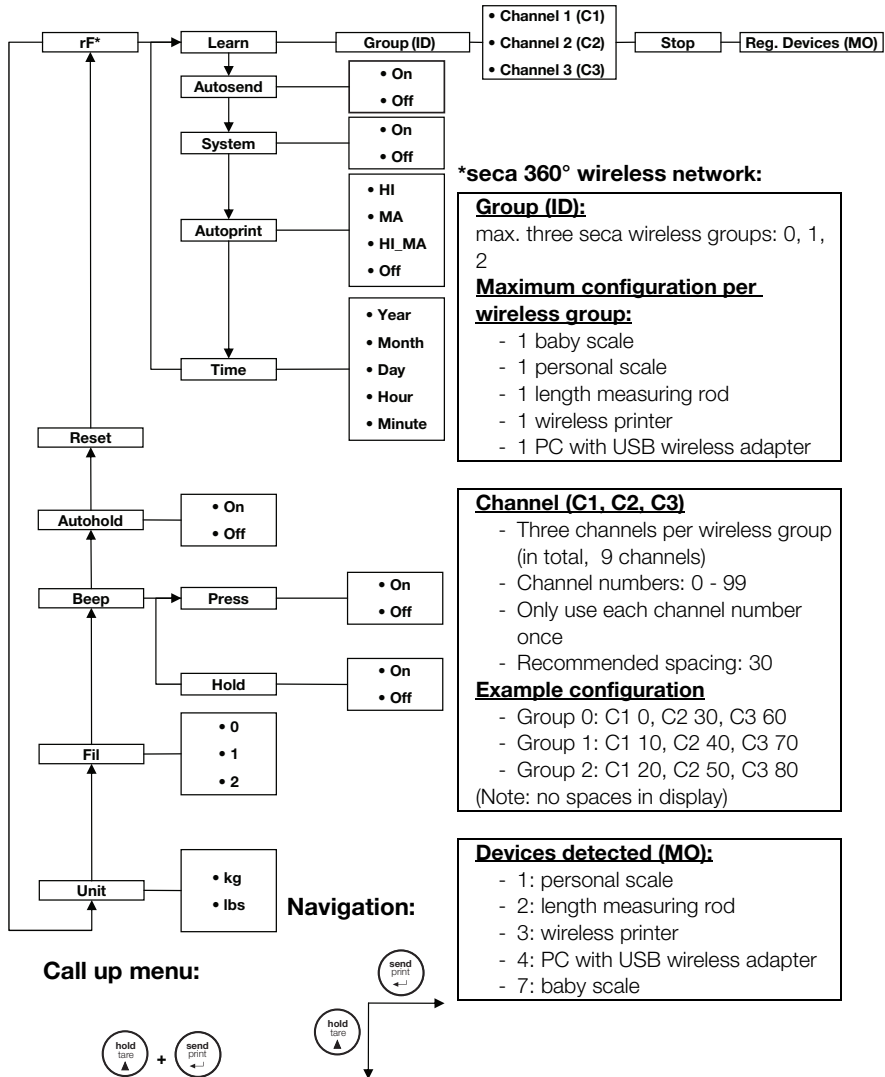
### 4.1 Controls



No.	Control	Function
1		Arrow key <ul style="list-style-type: none"> <li>• During weighing:               <ul style="list-style-type: none"> <li>- press briefly: activate Hold function</li> <li>- hold down: activate Tare function</li> </ul> </li> <li>• In the menu:               <ul style="list-style-type: none"> <li>- select submenu, select menu item</li> <li>- set value</li> </ul> </li> </ul>
2		Enter key <ul style="list-style-type: none"> <li>• During weighing (if wireless network is set up):               <ul style="list-style-type: none"> <li>- press briefly: send measured result to receive-ready equipment (PC with USB wireless adapter)</li> <li>- hold down: print out measured result (wireless printer)</li> </ul> </li> <li>• In the menu:               <ul style="list-style-type: none"> <li>- confirm selected menu item</li> <li>- save set value</li> </ul> </li> </ul>
3		Start key <ul style="list-style-type: none"> <li>- Switch device on and off</li> </ul>
4	Display	Display element for measured results and for device configuration
5	Power connection	For connecting the power pack
6	Battery compartment	Holder for battery block

## 4.2 Menu structure

Additional functions are available in the device menu. This allows you to configure the device to suit your own needs perfectly (details from page 62).



### \*seca 360° wireless network:

#### Group (ID):

max. three seca wireless groups: 0, 1, 2

#### Maximum configuration per wireless group:

- 1 baby scale
- 1 personal scale
- 1 length measuring rod
- 1 wireless printer
- 1 PC with USB wireless adapter

#### Channel (C1, C2, C3)

- Three channels per wireless group (in total, 9 channels)
- Channel numbers: 0 - 99
- Only use each channel number once
- Recommended spacing: 30

#### Example configuration

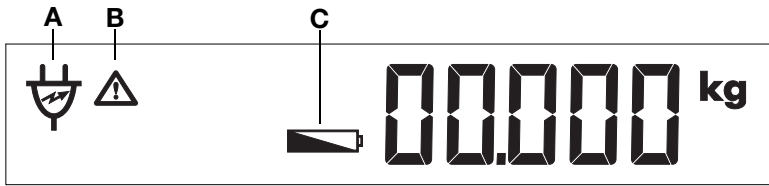
- Group 0: C1 0, C2 30, C3 60
- Group 1: C1 10, C2 40, C3 70
- Group 2: C1 20, C2 50, C3 80




(Note: no spaces in display)

#### Devices detected (MO):






- 1: personal scale
- 2: length measuring rod
- 3: wireless printer
- 4: PC with USB wireless adapter
- 7: baby scale

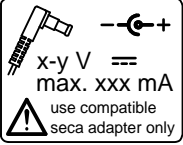

### 4.3 Symbols in display









	Symbol	Meaning
A		Operation with power pack
B		Non-calibratable function active
C		Battery block low

### 4.4 Information on device and on rating plate

Text/symbol	Meaning
Model	Model number
<b>S/N</b>	Serial number
	Follow the instructions for use
	Type B electrical medical device
	Protection class II device with protective insulation
d	Value in mass units, which indicates the difference between the values of two adjacent increments
	Device complies with EC directives. <ul style="list-style-type: none"> <li>• <b>0123</b>: Notified body for medical devices: TÜV SÜD Product Service</li> </ul>
	Symbol of US authority Federal Communications Commission (FCC)
FCC ID	Device licence number issued by US Federal Communications Commission (FCC)
IC	Device licence number issued by the Industry Canada authority

Text/symbol	Meaning
 <p>x-y V <math>\equiv</math> max. xxx mA use compatible seca adapter only</p>	<p>Rating plate on power socket</p> <ul style="list-style-type: none"> <li>• <b>x-y V</b>: required power supply</li> <li>• <b>max xxx mA</b>: maximum power consumption</li> <li>• <math>\text{--}\ominus\text{+}</math> : note the polarity of the device connector</li> <li>• <math>\equiv</math> : operate device with direct current</li> </ul>
	<p>Do not dispose of device in household waste</p>

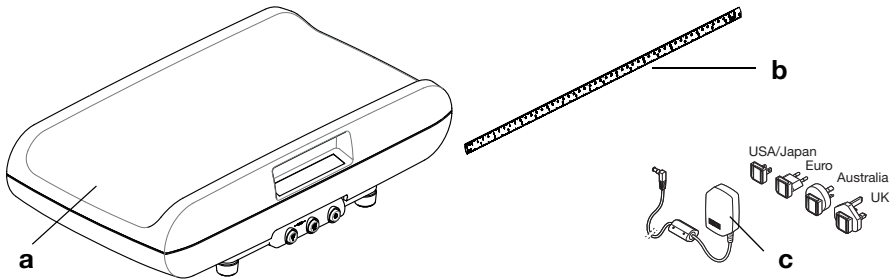
## 4.5 Information on the packaging

	<p>Protect from moisture</p>
	<p>Arrows indicate top of product. Transport and store in an upright position.</p>
	<p>Fragile Do not throw or drop.</p>
	<p>Permitted min. and max. temperature for transport and storage</p>
	<p>Permitted min. and max. moisture for transport and storage</p>
	<p>Packaging material can be disposed of through recycling programs</p>



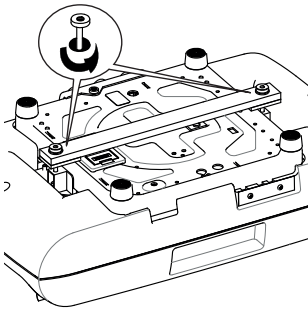
## 5. BEFORE YOU GET STARTED ...

### 5.1 Scope of supply



No.	Component	Qty.
<b>a</b>	Scale	1
<b>b</b>	Length tape measure, self-adhesive	1
<b>c</b>	Power pack with adapters (depending on model: Euro connector power pack)	1
	Battery block, not illustrated	1
	Instructions for use, not illustrated	1

### 5.2 Removing transport securing device



1. Carefully turn over the scale so that the base plate is facing upwards.
2. Undo the screws of the transport securing device.
3. Remove the transport securing device

#### NOTE

Keep the transport securing device for transporting the scale at a later date.

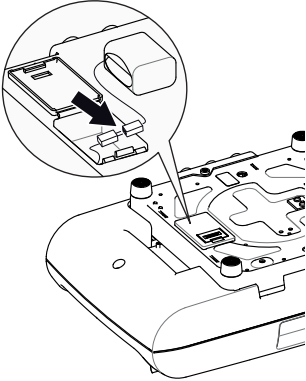
### 5.3 Establishing power supply

The scale is powered by a battery block or a power pack (both included in scope of supply). Depending on model, the scope of supply will include either a power pack with plug adapters or a power pack with a fixed Euro connector.

The battery compartment and the connecting socket

for the power pack are located on the underside of the scale.

### Inserting and connecting the battery block



1. Push the battery compartment latch in the direction of the printed word “Battery” and flip open the lid.
2. Remove the connecting cable from the battery compartment.
3. Connect the plug contacts of the connecting cable to the battery block supplied.
4. Insert the battery block in the battery compartment.
5. Close the battery compartment.

### Connecting the power pack and charging the battery block

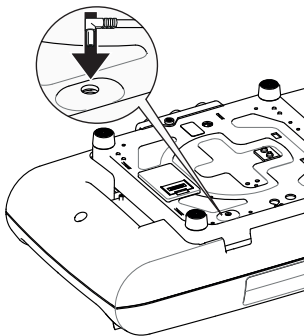


#### **WARNING!** Personal injury and damage to device due to use of incorrect power packs

The voltage supplied by standard power packs may be higher than their indicated rating. This may cause the scale to overheat, catch fire, melt or short-circuit.

- Only use genuine seca plug-in power packs with a controlled 12 V output voltage.

1. Insert the power plug necessary for your power supply in the power pack.
2. Insert the device connector of the power pack in the connecting socket in the base of the scale.
3. Plug the power supply unit into a power supply socket.
4. Leave the scale connected to the power supply for at least 24 hours when charging for the first time in order to charge the battery block fully.



## 5.4 Setting up and aligning the scale

The scale is fully assembled on delivery.

- ◆ Place the scale on a flat, stable surface.

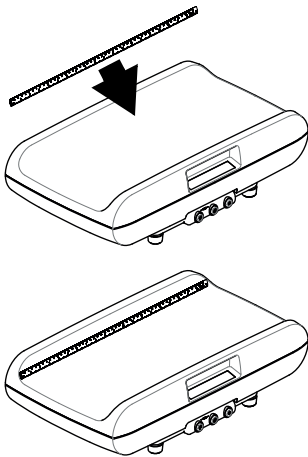
### NOTICE!

#### Incorrect measurement due to force shunts

If the housing of the scale is resting on something, e. g. a towel, the weight will not be measured correctly.

- Set up the scale so that it is only in contact with the floor with the device feet.

## 5.5 Attaching the length tape measure



The scale is supplied with a length tape measure. To affix it, proceed as outlined below.

1. Thoroughly clean and disinfect the tray (see “Hygiene treatment” on page 72).

### NOTE

The tray must be clean and dry before you affix the length tape measure.

2. Peel the protective film off the rear of the length tape measure.
3. Affix the length tape measure parallel to the top edge of the tray on the retaining wall, as shown in the adjacent illustration.

## 6. OPERATION



### CAUTION!

#### Damage to persons

Perform a function check as described in the section entitled “Function check” on page 74 before using the device each time.

## 6.1 Weighing



### WARNING!

#### Risk of falling

Baby scales generally stand on raised work surfaces. If the baby falls from this surface, this may result in serious irreversible or fatal injuries.

- Ensure that the device is steady and level.
- Route connecting cables (if present) in such a way that people cannot trip over them.
- Never leave a baby unsupervised.


### Starting weighing



1. Ensure that there is no load on the scale.
2. Press the Start key.

All the elements of the display are shown briefly, then **SECA** appears in the display.

The scale is ready for operation when the display reads **0.000**.

If the scale is being operated with a power pack, the symbol  will appear in the display.

3. Place the baby on the tray.
4. Read off the measured result.



### Taring off additional weight (TARE)

You can use the TARE function to prevent the weighing result from being affected by an additional weight (e.g. a towel or pad on the tray).

### NOTICE!

#### Incorrect measurement due to force shunts

If an additional weight (e.g. large towel) is in contact with the surface on which the scale is standing, the weight will not be measured correctly.

- Make sure that any additional weight is only placed on the tray of the scale.

1. Place the additional weight on the tray.
2. Hold down the **(hold/tare)** arrow key until the message “NET” appears in the display.
3. Wait until the display stops flashing and is replaced by **0.000**.
4. Place the baby on the tray.





5. Read off the measured result.  
The additional weight has been deducted automatically.
6. To disable the TARE function, press the **(hold/tare)** arrow key until the message "NET" is no longer displayed or switch off the scale.

#### NOTE


The maximum weight which can be displayed is reduced by the weight of the objects already placed on the scale.


### Continuous display of measured result (HOLD)

If you activate the HOLD function, the weight value continues to be displayed after the load has been removed from the scale. This allows you to attend to the baby before noting down the weight.



1. Place the load on the scale.
2. Briefly press the **(hold/tare)** arrow key.

The display flashes until a stable weight is measured. The weight value is then displayed continuously. The  symbol (non-calibratable function) and the message "HOLD" are displayed.

3. To disable the HOLD function, briefly press the **(hold/tare)** arrow key.  
The  symbol and the "HOLD" message are no longer displayed. **0.000** appears in the display. You can perform another weighing operation if required.

#### NOTE

If the Autohold function is activated, the weighed value will automatically be displayed continuously (see section entitled "Activating the Autohold function (Ahold)" on page 63).

### Transmitting measured results to wireless receivers

If the scale is integrated in a **seca 360° wireless** network, you can transmit the measured results to receive-ready equipment (wireless printer, PC with USB wireless adapter) at the touch of a button.



- ◆ Press the **(send/print)** Enter key.
  - Press key briefly: send measured results to all receive-ready devices
  - Hold down: print out measured result on wireless printer

## Switching off the scale



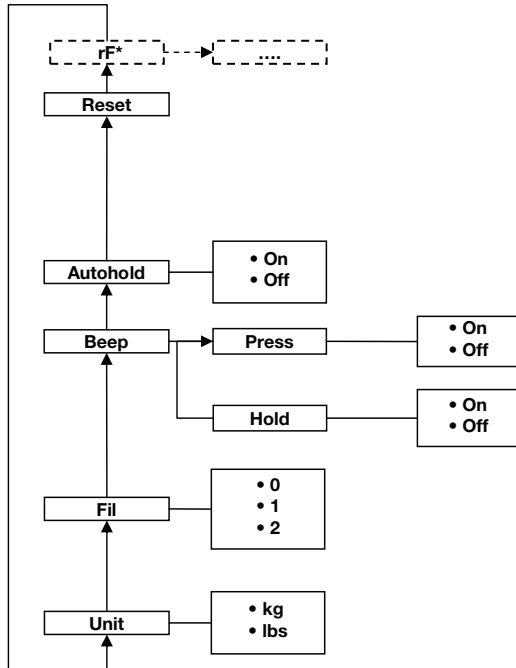
- ◆ Press the Start key.

### NOTE

The scale switches off automatically after a brief time if no load is placed on it for a certain period.

## 6.2 Additional functions (menu)

Additional functions are available in the menu for the scale. This allows you to configure the scale perfectly to your own needs.



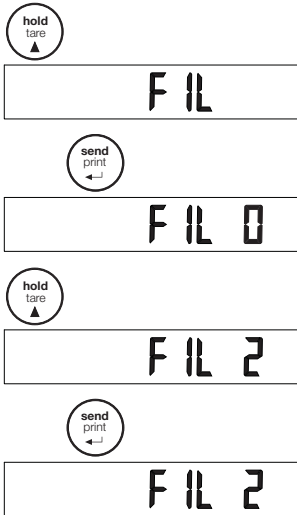
\* The menu item "rF" is described in section "Operating the scale in a wireless group" on page 68.

## Navigating within the menu



1. Switch on the scale.
2. Press the Enter key and the arrow key simultaneously.

The last menu item selected is shown in the display (here: Autohold "AhOLD").



3. Keep pressing the arrow key until the required menu item appears in the display (here: attenuation "FIL").
4. Confirm your selection with the Enter key. The current setting for the menu item or a submenu is displayed (here: level "0").
5. To change your setting or call up another submenu, keep pressing the arrow key until the required setting is displayed (here: level "2").
6. Confirm the setting with the Enter key. You exit the menu automatically.
7. To make further settings, call up the menu again and proceed as described above.

**NOTE**

If no key is pressed for approx. 24 seconds, you will exit the menu automatically.

### Activating the Autohold function (Ahold)



If you activate the Autohold function, the measured result for each weighing operation continues to be displayed after the load has been removed. This means you no longer have to activate the Hold function manually for each individual weighing operation.

**NOTE**

With certain models, this function is already activated at the factory. If required, you can disable this function.

1. Select the "AhOLD" item from the menu.
2. Confirm the selection. The current setting is displayed.
3. Select the setting you require:
  - On
  - Off
4. Confirm your selection. You exit the menu automatically.

## Activating acoustic signals (BEEP)

You can set whether an acoustic signal is to be emitted whenever a key is pressed or a stable weight value has been attained. The latter is relevant for the Hold/Auto-hold function.

### NOTE

The function “Acoustic signal when weighing value is stable” is activated at the factory. If required, you can disable this function.

bEEP

PrESS

On

1. Select the “bEEP” item from the menu.
2. Confirm the selection.
3. Select a menu item
  - PrESS: acoustic signal whenever a key is pressed
  - HOLd: acoustic signal when weighing value is stable
4. Confirm your selection.  
The current setting is displayed.
5. Select the setting you require:
  - On
  - Off
6. Confirm your selection.  
You exit the menu automatically.
7. If you also wish to activate the acoustic signals for the second function, repeat this process.

## Select attenuation (FiL)

You can use attenuation (Fil = filter) to reduce any interference during weighing (e.g. caused by patient movements).

FiL

FiL 0

FiL 1

FiL 2

1. Select the “Fil” item from the menu.
2. Confirm the selection.  
The current setting is displayed.
3. Select an attenuation level.
  - 0: low attenuation
  - 1: moderate attenuation
  - 2: high attenuation
4. Confirm the selection.  
You exit the menu automatically.



### Setting the display backlighting (Lcd)

Lcd

dUr

bri

You can change the duration and brightness of the display backlighting.

1. Select the "Lcd" item from the menu.
2. Confirm the selection.
3. Select a menu item
  - dUr: duration
  - bri: brightness
4. Confirm your selection.  
The current setting is displayed.
5. Select the setting you require:

Function	Setting
Duration	<ul style="list-style-type: none"> <li>• Short (approx. 15 sec.)</li> <li>• Long (approx. 45 sec.)</li> <li>• PERM (continuous)</li> </ul>
Brightness	<ul style="list-style-type: none"> <li>• 50 %</li> <li>• 100 %</li> <li>• Off</li> </ul>

6. Confirm your selection.  
You exit the menu automatically.
7. If you also wish to make settings for the second function, repeat this process.

### Switching the unit of weight (Unit)

On non-calibrated scales, you can select the unit (Unit) in which you want weight to be displayed.



#### CAUTION! Patient hazard

In order to avoid misinterpretations, test results for medical use must be displayed and used in SI units only. Some devices offer the ability to display test results in other units. This is only an additional function.

- Use the results exclusively in SI units.
- The use of measurement results in non-SI units is the sole responsibility of the user.

Unit

9r kg

LbS lbs

1. Select the item "Unit" from the menu.
2. Confirm your selection.

The current setting is displayed.

Select the unit in which you want weight to be displayed:

- **9r**: kilograms (kg)
- **LbS**: pounds (lbs)

3. Confirm your selection.  
You exit the menu automatically.

## Restoring factory settings (RESET)

You can restore the factory settings for the following functions:

Function	Factory setting
Autohold (AhoLd)	depending on model
Acoustic signal (PrESS)	Off
Acoustic signal (HoLd)	On
Attenuation (FiL)	1
Wireless module (SYS)	Off
Autosend (ASEnd)	Off
Autoprint (APrt)	Off

### NOTE

The wireless module is switched off when factory settings are restored. Information about existing wireless groups is retained. Wireless groups do not have to be set up again.



1. Select the “rESEt” item from the menu.
2. Confirm the selection.  
You exit the menu automatically.
3. Switch off the scale.  
Factory settings are restored and are available when the scale is next switched on.

## 7. THE SECA 360° WIRELESS NETWORK

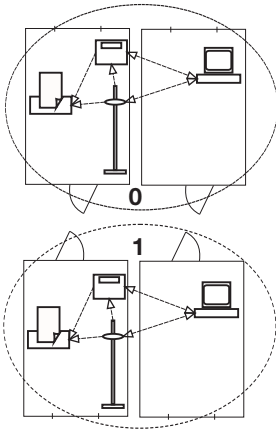
### 7.1 Introduction

This device is equipped with a wireless module. The wireless module allows measured results to be transmitted wirelessly for analysis and documentation. Data can be transmitted to the following devices:

- seca wireless printer
- PC with seca USB wireless adapter

#### seca wireless groups

The **seca 360° wireless** network operates with wireless groups. A wireless group is a virtual group of transmitters and receivers. If you wish to operate several transmitters and receivers of the same type, up to 3 wireless groups (0, 1, 2) can be set up.



Setting up several wireless groups ensures the reliable transmission of measured values with the correct address when using more than one examination room each with similar equipment.

The maximum distance between transmitters and receivers is approx. 10 metres. This range may be reduced under certain local conditions, e.g. thickness and type of wall partitions.

The following combination of devices is possible for each wireless group:

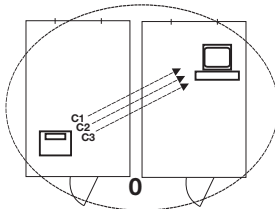
- 1 baby scale
- 1 personal scale
- 1 length measuring rod
- 1 seca wireless printer
- 1 PC with seca USB wireless adapter

## Channels

Within each wireless group, the devices communicate with each other via three channels (C1, C2, C3). This ensures reliable, troublefree data transmission.

When you set up a wireless group with this scale, the device will suggest three channels guaranteeing optimum data transmission. We recommend accepting the channel numbers suggested.

You can also select the channel numbers (0 to 99) manually - for example if you want to set up more than one wireless group.



The channels must be sufficiently far apart to ensure trouble-free data transmission. We recommend a spacing of at least 30 between channel numbers. Each channel number may only be used for one channel.

Example configuration: channel numbers when setting up 3 wireless groups within one surgery:

- wireless group 0: C1=\_0, C2=30, C3=60
- wireless group 1: C1=10, C2=40, C3=70
- wireless group 2: C1=20, C2=50, C3=80

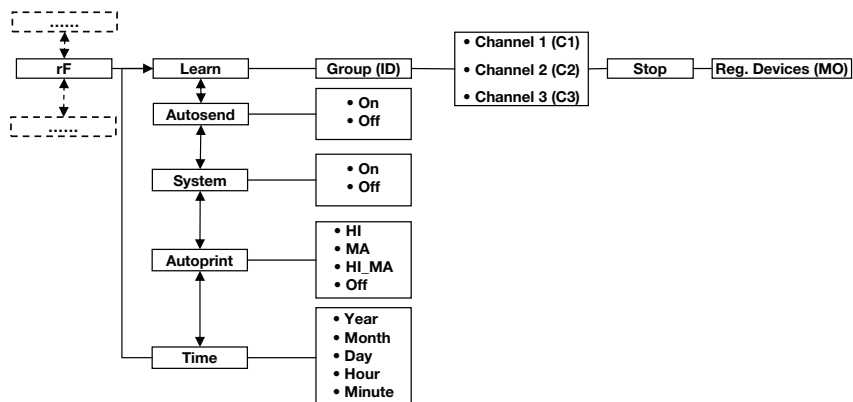
## Detecting devices

If you wish to set up a wireless group with the scale, it will search for other active devices from the **seca 360° wireless** system. The devices detected are shown as modules in the display on the scale (e.g. “MO 3”). The meaning of the numbers is as follows:

- 1: personal scale
- 2: length measuring rod
- 3: wireless printer
- 4: PC with seca USB wireless adapter
- 7: baby scale
- 5, 6 and 8-12: reserved for system expansion

## 7.2 Operating the scale in a wireless group

All the functions required to operate the device in a seca wireless group can be found in submenu “rF”. For information on how to navigate in the menu see page 62.



## Activating the wireless module (SYS)

The device is supplied with the wireless module disabled. You have to activate it before you can set up a wireless group.

### NOTE


When the wireless module is activated, the power consumption of the device will increase. We recommend using a power pack when operating the device in a wireless network.

1. Switch on the device.




### Setting up a wireless group (Lrn)








2. Select the “SYS” menu item from the “rF” sub-menu.
3. Confirm the selection.
4. Select the “On” setting.
5. Confirm the selection.  
You exit the menu automatically.

To set up a wireless group proceed as follows.

1. Switch on the device.
2. Call up the menu.
3. Select the item “rF” in the menu.
4. Confirm the selection.
5. Select the “Lrn” (learn) menu item from the “rF” submenu.
6. Confirm the selection.

The wireless group currently set (here: wireless group 0 “Id 0”) is displayed.

If wireless group “0” already exists and you wish to set up another wireless group with this device, use the arrow key to select a different ID (here: wireless group 1 “Id 1”).

7. Confirm your selection for the wireless group.  
The device suggests a channel number for channel 1 (here: “C1 0”).  
You can either accept the channel number suggested or select another channel number using the arrow key.
8. Confirm your selection for channel 1.  
The device suggests a channel number for channel 2 (here: “C230”).  
You can either accept the channel number suggested or select another channel number using the arrow key.

#### NOTE

Two-digit channel numbers are displayed without a space. The display “C230” means: channel “2”, channel number “30”.

9. Confirm your selection for channel 2.



C360

The device suggests a channel number for channel 3 (here: "C360").

You can either accept the channel number suggested or select another channel number using the arrow key.

10. Confirm your selection for channel 3.

The "StOP" message appears in the display.

The device is waiting for signals from other devices with wireless transmission capability within range.

#### **NOTE**

With certain devices, a special switch-on procedure must be followed if they are to be integrated in a wireless group. Follow the instructions for use for each device.

11. Switch on the device you wish to integrate in the wireless group, e.g. a wireless printer.

A beep can be heard when the wireless printer is detected.

#### **NOTE**

As soon as you have integrated a wireless printer in the wireless group, you must then select a print option (menu\rFAPrt) and set the time (menu\rFtiME).

12. Repeat step 11. for all devices you wish to integrate in this wireless group.

13. Press the Enter key to end the search.

14. Press the arrow key to see which devices have been detected (here: "MO 3" for a wireless printer). Once you have integrated several devices in the wireless group, press the arrow key several times to ensure that all devices have been detected by the scale.

15. Press the Enter key to exit the menu or wait until you exit the menu automatically.



MO 3

### **Activating automatic transmission (ASend)**

You can configure the device so that the measured results are automatically transmitted to all receive-ready receivers registered to the same wireless group (e.g.: wireless printer, PC with USB wireless adapter).

#### **NOTE**

If you are using a wireless printer, ensure that the print option is not switched to "Off" ("Selecting print option (APrt)" on page 71).




### Selecting print option (APrt)




### Setting the time (Time)



1. Switch on the device.
2. Select the “ASEnd” menu item from submenu “rF” and confirm your selection.
3. Select the setting “On” and confirm your selection. You exit the menu automatically.

You can configure the device so that measured results are automatically printed out by a wireless printer registered to the wireless group.

#### NOTE

This function is only accessible if the “Learn” function has been used to integrate a seca wireless printer in the wireless group.

1. Switch on the device.
2. Select the menu item “APrt” in the “rF” submenu and confirm your selection.
3. Select the appropriate setting for your combination of devices:
  - HI: measured results from length measuring devices (not functional with this model)
  - MA: measured results from scales
  - HI\_MA: measured results from length measuring devices and scales (not functional with this model)
  - Off: no automatic printout, printout only if Enter key is held down during weighing.
4. Confirm your selection. You exit the menu automatically.

You can configure the system so that the wireless printer automatically adds the date and time to your measured results. To do so, you have to set the date and time once on the device and transmit this to the wireless printer’s internal clock.

#### NOTE

This function is only accessible if the “Learn” function has been used to integrate a seca wireless printer in the wireless group.

1. Switch on the device.
2. Select the “tIME” menu item from the “rF” submenu.
3. Confirm the selection. The current selection for “year” (**YEA**) is displayed.

YEAR 13

4. Set the correct year.
5. Confirm the selection.
6. Repeat steps 4. and 5. as appropriate for “month” (**Mon**), “day” (**dAY**), “hour” (**hour**) and “minute” (**Min**).
7. Confirm your selection each time.  
After confirming your setting for “minute”, you exit the menu automatically.  
The settings are automatically transmitted to the wireless printer.  
The wireless printer automatically adds the date and time to every printout.

**NOTE**

For further operation of the wireless printer, see its instructions for use.

## 8. HYGIENE TREATMENT



**WARNING!**

**Electric shock**

The device is not de-energized when the on/off key is pressed and the display goes out. Use of fluids on the device may cause electric shock.

- Ensure that the device is switched off before performing any hygiene treatment.
- Disconnect the power supply connector before performing any hygiene treatment.
- Ensure that no fluids penetrate the device.



**CAUTION!**

**Damage to device**

Inappropriate detergents and disinfectants may damage the sensitive surfaces of the device.

- Do not use aggressive or abrasive cleaning agents.
- Do not use white spirit or petroleum spirit.
- Only use disinfectants suitable for sensitive surfaces. Suitable disinfectants are available from specialist dealers.



## 8.1 Cleaning

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- ◆ Use a soft cloth dampened with mild soapsuds to clean the surfaces of the device.

## 8.2 Disinfecting

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### ATTENTION!

#### Damage to device

The viewing windows of scales and displays are made of acrylic glass. Acrylic glass windows can crack or become cloudy if unsuitable disinfectants are used on them.

- Only use disinfectants suitable for sensitive surfaces. Suitable disinfectants are available from specialist dealers.
1. Follow the instructions on the disinfectant.
  2. Disinfect the device at regular intervals using a soft cloth dampened with a suitable disinfectant.
  3. Please take note of the following terms:

Interval	Component
<b>Before</b> every measurement	Tray
<b>After</b> every measurement	Tray
If required	Display elements, controls, housing

## 8.3 Sterilisation

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This device may not be sterilised.

## 9. FUNCTION CHECK

- ◆ Perform a function check prior to each use.

A complete function check includes:

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

If you notice any faults or deviations during the function check, first try to resolve the error with the aid of the section entitled “What do I do if ...” in this document.




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

If you notice any faults or deviations during the function check which cannot be resolved with the aid of the section entitled “What do I do if ...” in this document, you may not use the device.

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

## 10. WHAT DO I DO IF ...?

Fault	Cause/Remedy
<b>... no weight is displayed when scale is loaded?</b>	The scale is not connected to the power supply. - Check if the scale is switched on. - Check whether the battery block is inserted and that the plug contacts are properly connected.
<b>... 0.000 does not appear before weighing?</b>	A load was placed on the scale before it was switched on. - Remove load. - Switch scale off and back on again.
<b>... a segment lights up continuously or not at all?</b>	The relevant segment is faulty. - Please notify maintenance service.
<b>...  is displayed?</b>	Battery block power is running down. - Charge battery block.

Fault	Cause/Remedy
... the display “bAtt” appears?	Battery block discharged. - Charge battery block.
... the display “StOP” appears?	The maximum load has been exceeded. - Remove load.
... the display “tEMP” appears?	The ambient temperature of the scale is too high or too low. - Set up scale in an ambient temperature between +10 °C and +40 °C. - Wait approx. 15 minutes until scale has adjusted to ambient temperature.
... after switching on, measured results are transmitted for the first time and two acoustic signals are heard?	The device was unable to send measured results to the wireless receiver (seca wireless printer or PC with seca USB wireless adapter). - Check that the scale is integrated in the wireless network. - Check that the receiver is switched on. Nearby HF equipment (e.g. mobile phones) are interfering with reception. - Make sure that HF equipment is kept at least 1 metre away from transmitters and receivers in the seca wireless network.  <b>NOTE</b> If such interference is not eliminated, no further acoustic warnings are given with subsequent attempts at transmission.
... only the item “SYS” is visible in the “rF” menu?	The wireless module is disabled. - Activate wireless module (“Activating the wireless module (SYS)” on page 68).
... only the “SYS” and “Lrn” items are visible in the “rF” menu?	The wireless module is activated but no wireless group is set up. - Set up wireless group (“Setting up a wireless group (Lrn)” on page 69).
... the “APrt” and “tiME” menu items are not visible in the “rF” menu?	No wireless printer is registered to the wireless group. - Use the “Lrn” menu item to log the wireless printer into the wireless group (“Setting up a wireless group (Lrn)” on page 69).
... when the menu is called up, the item “rF” is not displayed?	The wireless module of the scale is defective. - Please notify maintenance service.

Fault	Cause/Remedy
... the display “Er:X:11” appears?	The scale has too high a load, or too great a load is applied in one corner. <ul style="list-style-type: none"> <li>- Reduce load on scale or distribute weight more evenly.</li> <li>- Restart scale.</li> </ul>
... the display “Er:X:12” appears?	The scale has been switched on with too great a load. <ul style="list-style-type: none"> <li>- Remove load.</li> <li>- Restart scale.</li> </ul>
... the display “Er:X:16” appears?	Oscillations have been induced in the scale, preventing determination of the zero point. <ul style="list-style-type: none"> <li>- Do not touch the trolley or table supporting the scale.</li> <li>- Restart scale.</li> </ul>
... when the Enter key (send/print) is pressed, the “Er:x:71” display appears?	Data transmission not possible, wireless module is disabled. <ul style="list-style-type: none"> <li>- Activate wireless module (“Activating the wireless module (SYS)” on page 68).</li> </ul>
... when the Enter key (send/print) is pressed, the “Er:x:72” display appears?	Data transmission is not possible, no wireless group set up. <ul style="list-style-type: none"> <li>- Set up wireless group (“Setting up a wireless group (Lrn)” on page 69).</li> </ul>

## 11.SERVICING

On leaving the factory, your seca scale has an accuracy of  $\pm 0,15\%$  or better. To preserve this level of accuracy, the product must be set up with care and serviced regularly. Depending on how frequently the scale is used, we recommended servicing at intervals of 3 to 5 years.



### **NOTICE!**

#### **Incorrect measurements as a result of poor servicing**

- Have servicing and repairs carried out exclusively by seca service or by an authorized service partner.

## 12. TECHNICAL DATA

### 12.1 General technical data

General technical data seca 727	
Dimensions <ul style="list-style-type: none"> <li>• Depth</li> <li>• Width</li> <li>• Height</li> </ul>	320 mm 551 mm 151 mm
Weight	approx. 7.1 kg
Ambient conditions, operation <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Air pressure</li> <li>• Humidity</li> </ul>	+10 °C to +40 °C (50 °F to 104 °F) 700 - 1060 hPa 30 % - 80 %, no condensation
Ambient conditions, storage <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Air pressure</li> <li>• Humidity</li> </ul>	-10 °C to +65 °C (14 °F to 149 °F) 700 - 1060 hPa 0 % - 95 %, no condensation
Ambient conditions, transport <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Air pressure</li> <li>• Humidity</li> </ul>	-10 °C to +65 °C (14 °F to 149 °F) 700 - 1060 hPa 0 % - 95 %, no condensation
Height of digits	11 mm
Power supply	Battery block, power pack
Power consumption <ul style="list-style-type: none"> <li>• with deactivated wireless module and without background lighting</li> <li>• with activated wireless module and permanent background lighting (100 %)</li> </ul>	approx. 47 mA approx. 100 mA
Maximum runtime in battery mode <ul style="list-style-type: none"> <li>• with deactivated wireless module and without background lighting</li> <li>• with wireless module activated</li> </ul>	approx. 2880 minutes Power pack recommended
Medical device in accordance with Directive 93/42/EEC	Class I with measuring function
EN 60 601-1: <ul style="list-style-type: none"> <li>• Class II insulated appliance:</li> <li>• Type B electrical medical device:</li> </ul>	 
Type of protection	IP20
Duty cycle	Continuous duty

General technical data seca 727	
Wireless transmission <ul style="list-style-type: none"> <li>• Frequency band</li> <li>• Transmission power</li> <li>• Standards applied</li> </ul>	2.433 GHz - 2.480 GHz < 10 mW EN 300 328 EN 301 489-1 EN 301 489-17

## 12.2 Weighing data

Weighing data seca 727	
Maximum load	20 kg / 44 lbs
Minimum load	0.02 kg / 0.04 lbs
Graduations <ul style="list-style-type: none"> <li>• 0 up to 6 kg / 0 up to 13 lbs</li> <li>• 6 kg up to 20 kg / 13 up to 44 lbs</li> </ul>	1 g / 0.1 oz 2 g / 0.1 oz
Tare range	max. 20 kg / 44 lbs
Accuracy <ul style="list-style-type: none"> <li>• 0 up to 6 kg / 0 up to 13 lbs</li> <li>• 6 kg up to 20 kg / 13 up to 44 lbs</li> </ul>	± 2 g / 0.1 oz ± 0.15 %

## 13. OPTIONAL ACCESSORIES

seca 360° wireless devices	Article number
Wireless printer <ul style="list-style-type: none"> <li>• <b>seca 360° wireless printer 465</b></li> <li>• <b>seca 360° wireless printer advanced 466</b></li> </ul>	Country-specific variants Country-specific variants
PC software <ul style="list-style-type: none"> <li>• <b>seca analytics 115</b></li> </ul>	Application-specific licence packages
USB wireless adapter <ul style="list-style-type: none"> <li>• <b>seca 360° wireless USB adapter 456</b></li> </ul>	456-00-00-009

## 14. SPARE PARTS

Spare part	Article number
Power pack with Euro connector: 230 V~/50 Hz/12 V=/150 mA	68-32-10-252
Switch mode power pack with adapters: 100-240 V~/50-60 Hz/12 V=/0.5 A	68-32-10-265
Battery block, 6-part	68-22-12-721
Length tape measure, self-adhesive	19-17-01-264

## 15. DISPOSAL

### 15.1 Disposal of device



Do not dispose of the device with household waste. The device must be disposed of properly as electronic waste. Comply with the national provisions applicable in your country.

### 15.2 Batteries (including rechargeables)



Spent (rechargeable) batteries should not be discarded with household waste, regardless of whether they contain harmful substances or not. As a consumer you are obliged by law to dispose of (rechargeable) batteries via the collection points set up by the municipal authorities or the retail sector. Only discard (rechargeable) batteries when fully discharged.

## 16. WARRANTY

We offer a two-year warranty from the date of delivery for defects attributable to faulty material or poor workmanship. This excludes all moveable parts such as (rechargeable) batteries, cables, power supply units, etc. Defects which are covered by the warranty shall be rectified free of charge for customers on production of the sales receipt. No further claims can be accepted. The costs of shipment in both directions shall be borne by the customer where the device is not located at the customer's premises. In the event of any damage during shipment warranty claims can only be asserted where the complete original packaging was used for shipment and the scales were secured inside in the same manner as in the original packaging. You should therefore keep all packaging.

The warranty shall become null and void where the device is opened by persons not expressly authorised to do so by seca.

We ask customers based abroad to contact their local sales agent directly in the case of warranty claims.