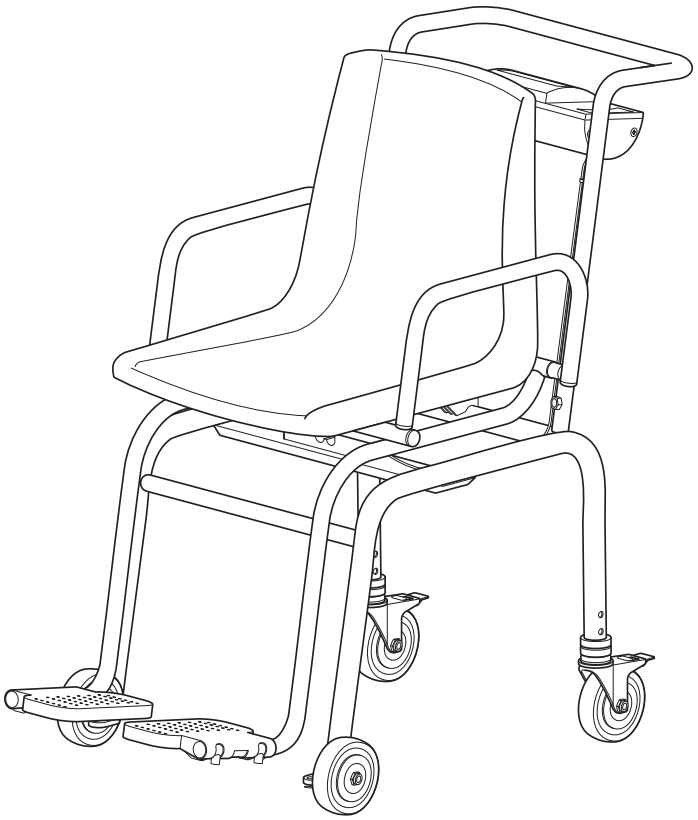
seca

Precision for health

seca 955

Instructions for Use

17-10-07-698-002-2026-05S



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1 ABOUT THIS DOCUMENT

1.1 Representation in text

Symbol	Description
✓	Requirement for actions
▸	Action
1. 2.	Actions with specified sequence
a) b)	Steps of an action with specified sequence
⇨	Result of an action
• •	First level of a list
– –	Second level of a list

1.2 Representation in diagrams

Symbol	Description
	Indicates directions of movement of the device or of device components
	Navigation path in menu displays
	• Correct action • Correct result of action
	• Incorrect action • Incorrect result of action
	End of a procedure, e.g. the installation of a part

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2 DESCRIPTION OF DEVICE

2.1 Intended use

The electronic chair scale supports physicians in decision-making regarding diagnosis or therapy, based on weight or weight changes.

2.2 Contraindications

No contraindications are known.

2.3 Clinical benefit

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

By that, the electronic chair scale only provides an indirect clinical benefit.

The physician must perform additional examinations for an accurate diagnosis.

2.4 Patient target group

The scale is intended for persons of all ages (with exception of babies), who are able to independently sit on the chair scale without additional external support and who do not exceed the maximum weight capacity of the scale.

2.5 User qualification

Operation
The device may only be operated by persons with formal training in the healthcare sector or in medicine.

Administration/network operation
The device may only be set up and incorporated in a network by experienced administrators or hospital technicians.

2.6 Functional description

Measuring weight
Weight calculation is performed by a single load cell.

External interface module (optional accessory)
Data can be sent to the **seca connect 103** software via a WiFi or LAN connection with the aid of the **seca 452** external interface module (optional).

seca connect 103 software (optional accessory)
The **seca connect 103** software obtains measurement data from an internal or external interface module and sends them to compatible seca measuring devices or to third-party EMR systems.

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3 SAFETY PRECAUTIONS

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 measuring results may be incorrect.

NOTE
Includes additional information about use of the device.

3.2 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.

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 connected to medical electrical 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 edition 3.1 of IEC 60601-1 respectively). Anyone connecting additional devices to medical electrical devices is considered a system configurator and therefore responsible for ensuring that the system complies with the requirements of standards for systems. This also applies to additional devices recommended by seca. 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.

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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.
- ► Use only seca original accessories and spare parts, otherwise seca will not grant any warranty.

CAUTION!
Patient hazard, malfunction

- ► Keep medical electrical devices such as high-frequency surgical equipment at a minimum distance of approx. 1 meter to prevent faulty measurements.
- ► Keep high-frequency equipment such as cellphones at a minimum distance of approx. 1 meter to prevent faulty measurements.
- ► The actual transmission output of HF devices may require minimum distances of more than 1 meter. For details, go to www.seca.com.

CAUTION!
Personal injury, damage to device

- ► Secure the scale against unintentional rolling away. Set the emergency brakes.
- ► Never place the scale on a sloped surface.
- ► Do not transport any people or objects with the scale.
- ► Move the scale only with released emergency brakes.

Preventing electric shock

WARNING!
Electric shock

- ► Set up devices which can be operated with a power supply unit so that the power supply socket is within easy reach and the power supply can be disconnected quickly.
- ► Ensure that your local electricity supply matches the details on the power supply unit.
- ► Never touch the power supply unit with wet hands.
- ► Do not use extension cables and multiple outlets.
- ► Ensure that cables are not crushed or damaged by sharp edges.
- ► Ensure that cables do not come into contact with hot objects.
- ► Do not operate the device at an altitude of more than 3000 m above sea level.

Preventing injuries and infections

WARNING!
Injury from falling
People with limited mobility may fall when they sit down on the scale or stand back up.

- ► Route connector cables (if present) so that users and patient cannot trip over them.
- ► Make sure that the scale's emergency brakes are set.
- ► Make sure the footrests are pushed in (model-dependent) and folded up before the patient sits down on the scale or stands up again.
- ► Assist people with limited mobility when they are sitting down and standing up again.

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CAUTION!
Injury from pinching
Hands and arms can get pinched between the seat and the lower frame or between the seat and the armrests.

- ► Keep your arms and hands above the seat when assisting the patient.
- ► Make sure that the patient's hands and arms are on the armrests or in their lap during weighing.

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.

Preventing damage to device

NOTICE!
Damage to device

- ► Ensure that fluids never get inside the device. These can destroy the electronics.
- ► Switch off the device before you disconnect the power supply unit from the power supply socket.
- ► If the device is not to be used for an extended period, disconnect the power supply unit from the power supply socket. Only then is the device de-energized.
- ► If you are not using the device for an extended period of time, remove batteries or battery packs. Only then is the device de-energized.
- ► 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.
- ► Do not place the device in direct sunlight and ensure that it is not placed in the direct proximity of a heat source. The excessive temperatures could damage the electronics.
- ► Avoid rapid temperature fluctuations. If the device is transported so that a temperature difference of over 20 °C occurs, the device must be left to stand for at least 2 hours before it is switched on, otherwise condensation may form; this may damage the electronics.
- ► Use the device only in the intended ambient conditions.
- ► Do not use the device over 3000 m above mean sea level. Electronic components might become damaged.
- ► Store the device only in the intended storage conditions.
- ► Use only cleaning agents and disinfectants that match the details in the section entitled "Hygiene treatment".
- ► Ensure that maximum capacity is not exceeded.

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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 the measuring results in SI units.
- ► You as the user take sole responsibility for the use of measuring results in non-SI units.

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 (e.g. 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).

Handling batteries and rechargeable batteries

WARNING!
Injury
Batteries and rechargeable batteries contain harmful substances which may explode and so escape if not handled properly.

- ► Do not try to recharge batteries.
- ► Do not expose batteries/rechargeable batteries to heat.
- ► Do not burn batteries/rechargeable batteries.
- ► If harmful substances are leaking out, avoid contact with the skin, eyes, and mucous membranes. Rinse affected areas of the body with plenty of clean water and seek medical help at once.

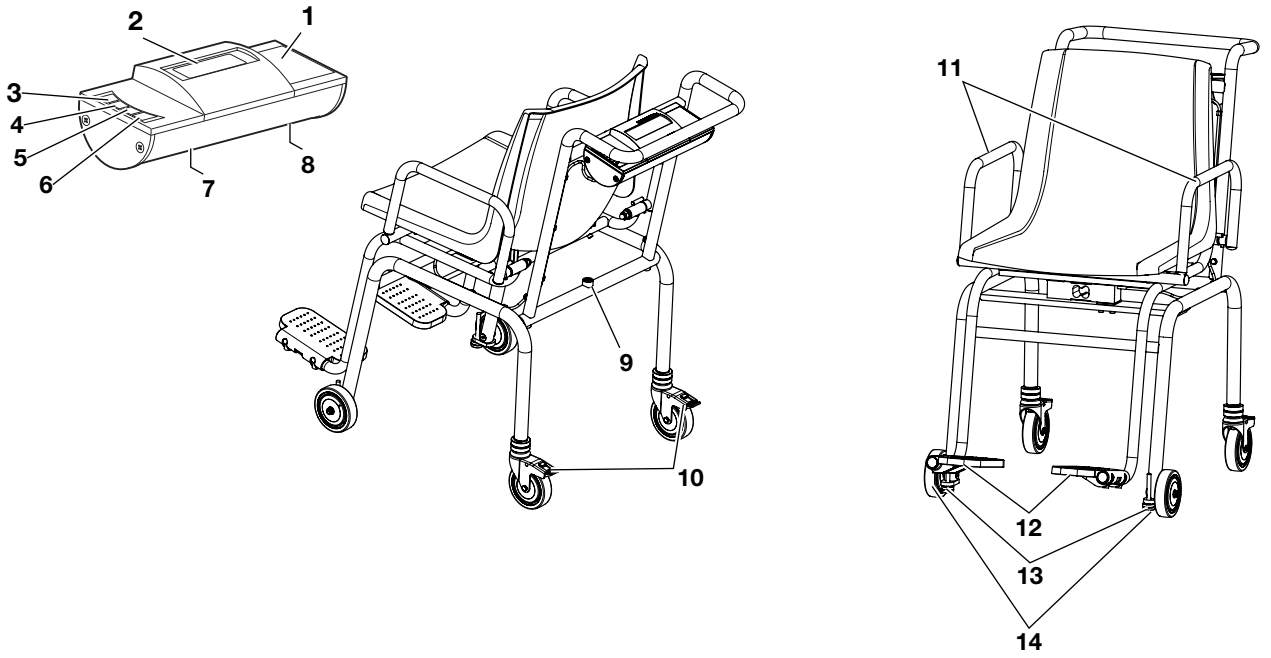
NOTICE!
Damage to device and malfunction due to incorrect handling

- ► Use only the type of battery/rechargeable battery quoted in this document.
- ► Always replace all batteries/rechargeable batteries at the same time.
- ► Do not short-circuit batteries/rechargeable batteries.
- ► If you do not use the device for an extended period of time, remove the batteries/rechargeable batteries. This prevents acid from leaking into the device.
- ► If harmful substances have penetrated the device, do not continue using it. Have the device checked by an authorized seca service partner and repaired if necessary.

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4 OVERVIEW

4.1 Controls

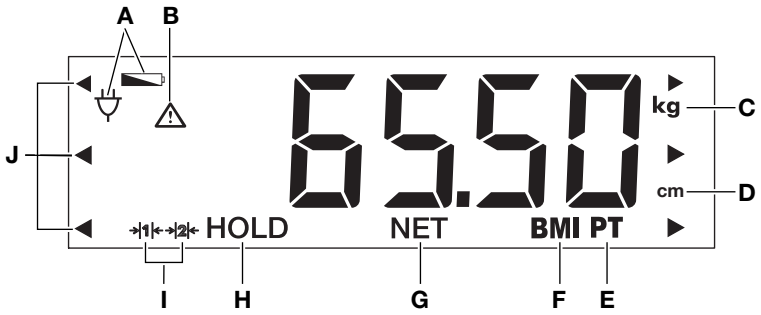


Item	Control	Function
1	Display housing	Central control and display element
2	Display	Display element for measuring results and to configure the device
3		Switches the scale on and off
4		During weighing: • Press briefly: Activate **Hold** function • Press and hold: Activate **Tare** function In the menu: • Select submenu, select menu item
5		During weighing: • Press briefly: Activate **BMI** function • Press and hold: Call up menu In the menu: • Select submenu, select menu item
6		In the menu: • Confirm menu item • Save value

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Item	Control	Function
7	Power supply connection	Serves to connect the optional power supply unit
8	Battery compartment	Serves to accommodate the battery block
9	Spirit level	Indicates whether the device is horizontal
10	Roller, rear	• Steerable • Height adjustable • With emergency brakes • Used to transport and adjust the scale
11	Armrest	Swivels, so that it is easier for the patient to sit down
12	Footrest	• Swivels For correct measurement, the patient's feet must be on the footrests
13	Foot screw	Used to adjust the scale
14	Roller, front	Used to transport the scale

4.2 Symbols in the display



Item	Symbol	Meaning
A		Batteries are low
		Operation with power supply unit
B	⚠	Non-verifiable function active (for technical reasons, symbol is also displayed on non-verified scales)
C	**kg**	Weight value in kilograms
D	**cm**	Height in centimeters
E	**PT**	**Pre-tare** function active
F	**BMI**	**BMI** function active
G	**NET**	**Tare** function active
H	**HOLD**	**Hold** function active
I	→|1|← →|2|←	Weighing range currently in use
J	◀	Flashing: prompt to select a memory (**BMI**)

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4.3 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 in accordance with Regulation (EU) 2017/745)
	Article number
	Serial number
GAL	Value in m/s^2 (model-dependent) • Gravitational acceleration on earth • Depends on the intended location
ProdID	seca product identification number
Approval Type	Type designation of design approval
Mat.No.	Variant number
	Follow instructions for use
	Medical electrical device, type BF
IP20	Type of protection in accordance with IEC 60529: • Protection against ingress of solid foreign objects with a diameter of over 12.5 mm • Protection against access with fingers • Protection against dripping water
	Insulated device in accordance with IEC 60601-1: Protection class II
e	Value in units of mass Used to classify and verify a scale
	Active weighing range
	Device complies with EU directives • **M**: Conformity label in compliance with directive 2014/31/EU for non-automatic scales (verified models) • **24**: (Example: 2024) Year in which declaration of conformity was implemented and the CE-label was applied (verified models) • **0102**: Notified Body for Metrology (verified models) • **0123**: Notified Body for Medical Devices
	Class III scale as per Directive 2014/31/EU
	Medical device in accordance with Regulation (EU) 2017/745
	Device meets the requirements of the USA and Canada. Certified and tested by a licensing laboratory (NRTL) of TÜV SÜD Product Services GmbH.

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Markings on the device and on the type plate	
Text/symbol	**Meaning**
UK CA XXXX	Device complies with United Kingdom directives **xxxx**: Notified Body for Medical Devices of the United Kingdom
UK CA M24 xxxx yyyy	Device complies with United Kingdom directives • **M**: Conformity label in compliance with UK directive SI 2016 no. 1152 for non-automatic scales (NAWIR) (verified models) • **24**: (Example: 2024) Year in which declaration of conformity was implemented and the UKCA label was applied (verified models) • **xxxx**: Notified Body for Medical Devices of the United Kingdom • **yyyy**: Notified Body for Metrology of the United Kingdom (verified models)
UK REP	Importer/representative in the United Kingdom: seca Ltd 40 Barn Street B5 5QB Birmingham United Kingdom
CH REP	Importer/representative in Switzerland: seca ag (schweiz) Medizinische Waagen und Messsysteme Schönmatt Str. 2 CH-4153 REINACH
x-y V ⎓ max. xxx mA use compatible seca adapter only	Type plate on the power supply connection socket • Power supply voltage required in V • Maximum current consumption in mA • −⊂+: Note polarity of device connector • ⎓: Operate device with direct current • ⚠: Use compatible seca power supply units only
	Do not dispose of device in household waste

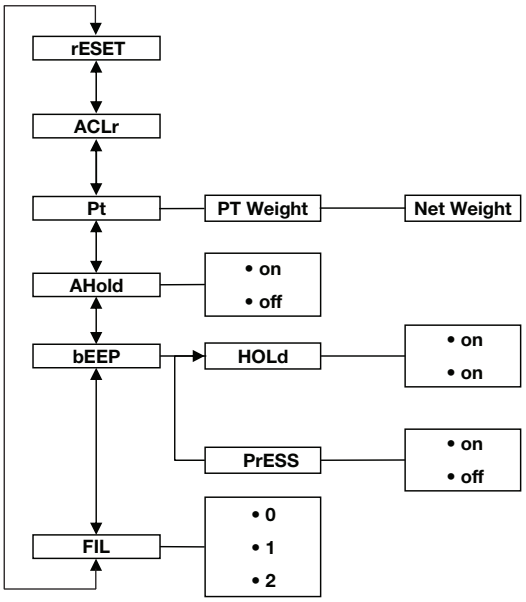
Markings on the packaging	
Symbol	**Meaning**
	Protect from moisture
	Arrows indicate top of product Transport and store in an upright position
	Fragile, do not throw or drop
	Permitted min. and max. temperature for transport and storage
	Permitted min. and max. humidity for transport and storage

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Markings on the packaging	
Symbol	**Meaning**
	Permitted min. and max. air pressure for transport and storage
	Open packaging here
	Packaging material can be disposed of through recycling programs

4.4 Menu

Menu structure



ACLr Autoclear
Pt Pre-Tare
AHold Autohold
FIL Filter

4.5 Navigating in the menu









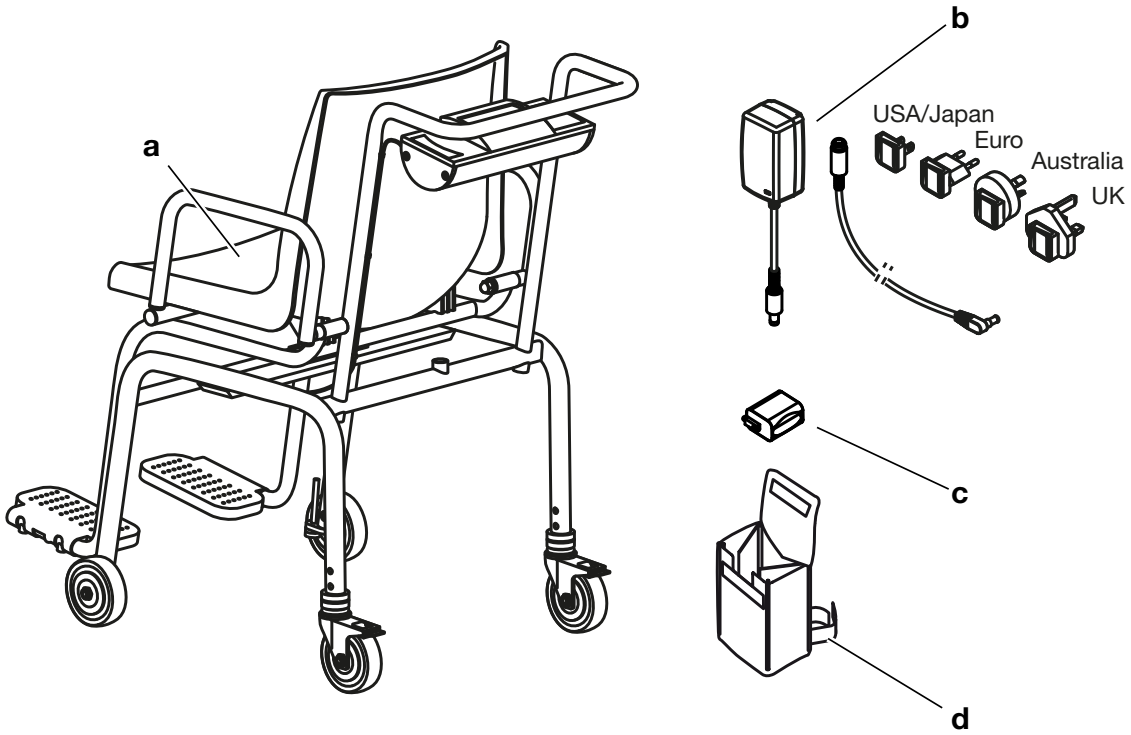
1. Switch on the scale.
2. Hold down the arrow key ▼ until the menu is called up.
   ⇨ The last menu item selected is displayed (in this case: Autohold **AHOLd**).
3. Press one of the arrow keys until the desired menu item appears in the display (in this case: filtering **FIL**).
4. Confirm the selection by pressing the ↵ key.
   ⇨ The current setting for the menu item or a submenu is displayed (in this case: level **0**).
5. To change the setting, press the ▲ or the ▼ key until the desired setting is displayed (in this case: level **2**).
6. Confirm the selection by pressing the ↵ key.
   ⇨ The menu closes.
7. To make more settings, call up the menu again and proceed as described.

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NOTE
If no key is pressed for approx. 24 seconds, the menu will close.

5 STARTING UP DEVICE

5.1 Scope of delivery, assembled

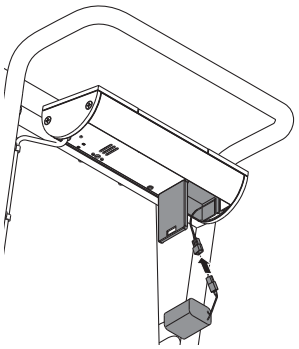


Item	Component	Pcs.
a	Chair scale	1
b	Power supply unit with adapters and safety connector socket	1
c	Battery block	1
d	Power pack carrier pouch **seca 471**	1
Not shown.	Instructions for use	1

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5.2 Establishing power supply

Connecting the battery block

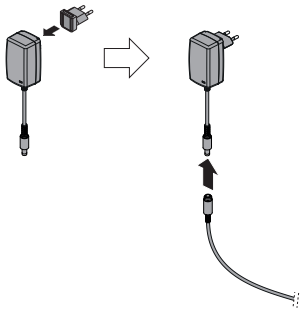


1. Press on the latch of the battery compartment.
2. Fold down the cover of the battery compartment.
3. Remove the connector cable from the battery compartment.
4. Connect the connector cable to the battery block.
5. Insert the battery block into the battery compartment.
6. Close the battery compartment.

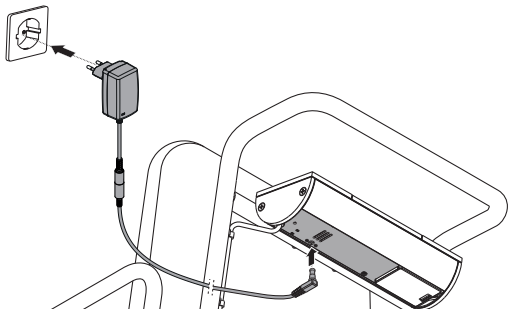
Connecting the power supply unit

WARNING!
Personal injury or damage to device as a result of incorrect power supply units
Conventional power supply units may deliver a higher voltage than is indicated on them. The measuring device may overheat, catch fire, melt or short-circuit.

► Use only original seca power supply units with a controlled 12 V output voltage.



1. Plug the adapter required for your region into the power supply unit.
2. Connect the connector cable to the power supply unit.



3. Insert the device connector of the power supply unit into the connecting socket of the scale.
4. Plug the power supply unit into a power supply socket.

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6 OPERATION

WARNING!
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.

WARNING!
Injury from falling

People with limited mobility may fall when they sit down on the scale or stand back up.

► Route connector cables (if present) so that users and patient cannot trip over them.

► Make sure that the scale's emergency brakes are set.

► Make sure the footrests are pushed in (model-dependent) and folded up before the patient sits down on the scale or stands up again.

► Assist people with limited mobility when they are sitting down and standing up again.

CAUTION!
Injury from pinching

Hands and arms can get pinched between the seat and the lower frame or between the seat and the armrests.

► Keep your arms and hands above the seat when assisting the patient.

► Make sure that the patient's hands and arms are on the armrests or in their lap during weighing.

CAUTION!
Faulty measurement as a result of force shunt

If accessories or articles of clothing get caught between the seat and the frame, the weight will not be measured correctly.
If the patient's feet are not on the footrests, the weight will not be measured correctly.

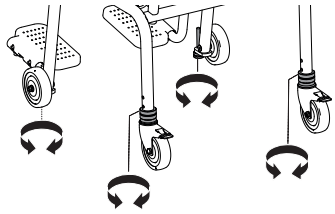
► Make sure that there are no objects between the seat and frame.

► Make sure that the armrests are folded down during weighing.

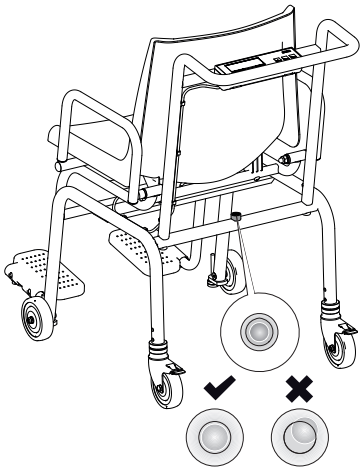
► Make sure that the patient's feet are on the footrests during weighing.

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6.1 Setting up and aligning the device



1. Place the scale on a firm, level surface.
2. Loosen the knurled head screws on the foot screws and on the rear rollers (rear rollers: loosen the upper knurled head screws).



3. Align the scale:
   - ▶ Rear rollers: turn the lower knurled head screws
   - ▶ Front rollers: turn the foot screws
   - ⇨ The air bubble in the spirit level must be located in the center of the circle.
4. Make sure all four of the scale's rollers are in contact with the ground.
5. Secure the adjustment on all four rollers by tightening the knurled head screws (rear rollers: tighten the upper knurled head screws)

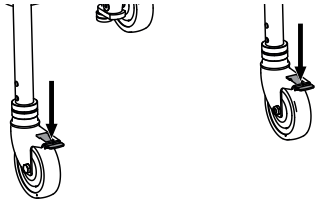
6.2 Switching on the scale

▶ Press the ⏻ key.
- ⇨ All the elements of the display are shown briefly.
- ⇨ **SECA** is displayed.
- ⇨ The scale is operational when **0.00** appears in the display.

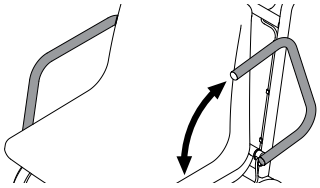
6.3 Weighing a patient

✓ The scale has no load.

✓ The scale is switched on.

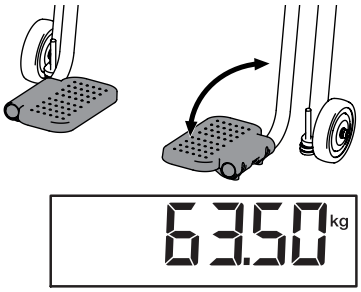


1. Set the emergency brakes of the rear casters.



2. Fold the armrest toward the back in order to make it easier for the patient to sit down.

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3. Ask the patient to sit down on the scale.
4. Fold the footrests down.
5. Ask the patient to put their feet on the footrests.
6. Fold the armrests down.
7. Read off the measuring result.

6.4 Taring off additional weight (TARE)

Using the **TARE** function, you can prevent additional weight (e.g. a hand towel or a support on the seat) from influencing the weighing result.

CAUTION!
Faulty measurement as a result of force shunt
If accessories or articles of clothing get caught between the seat and the frame, the weight will not be measured correctly.
If the patient's feet are not on the footrests, the weight will not be measured correctly.

- ► Make sure that there are no objects between the seat and frame.
- ► Make sure that the armrests are folded down during weighing.
- ► Make sure that the patient's feet are on the footrests during weighing.

✓ The scale has no load.

1. Press the **START** key.
2. Place the additional weight on the scale.
3. Hold down the ▲ **hold/tare** arrow key until the **NET** message appears in the display.
4. Wait until the display stops flashing and **0.00** appears instead.
   ⇨ The additional weight has been tared off.
5. Ask the patient to sit down on the scale.
6. Ask the patient not to move.
   ⇨ The patient's weight is displayed.



7. Read off the measuring result.
8. To deactivate the **TARE** function, press the **hold/tare** arrow key until the **NET▲** message is no longer displayed or turn off the scale.

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

6.5 Determining Body Mass Index

Body Mass Index correlates height and weight. To do this, the patient's height must be entered manually. The device calculates the BMI from the entered value and the measured weight.

✓ The scale has no load.

1. Switch on the scale.



2. Briefly press the ▼ **bmi/menu** key.
   ⇨ The message **BMI** appears.
   ⇨ The height last entered is displayed.
3. You have the following options for continuing:
   - ► Adopt value

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► Change value: Press the ▲ or the ▼ key

4. Confirm your setting by pressing the ↵ key.
   ⇨ The height entered is saved and can be called up again for calculating a new BMI.
5. Weigh the patient (→ Weighing a patient, page 17).
   ⇨ The patient's BMI is automatically calculated and displayed.



6. To deactivate the BMI function, briefly press the ↵ key.

6.6 Switching the weighing range

The scale has two weighing ranges. In weighing range 1 (→|1|←), graduations in the weight display are finer. In weighing range 2 (→|2|←), you can use the maximum capacity of the scale.



After the scale is switched on, weighing range 1 is active.



If a particular weight value is exceeded, the scale automatically switches to weighing range 2.

► To switch back to weighing range 1, completely remove the weight from the scale.
   ⇨ Weighing range 1 is active again.

6.7 Switching off the scale

► Press the ⏻ key.

NOTE
For battery pack/battery mode only: The device switches off automatically after a short time if there is no load on the scale.

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6.8 Other functions (menu)

Deleting saved values automatically (ACLr)

Out-of-date measuring results lead to incorrect calculation of BMI. You can set the device so that the measuring results are deleted automatically after 5 minutes.

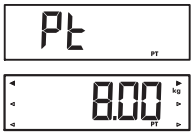
NOTE
This function is activated at the factory on some models. The function can be deactivated.



1. From the menu, select the **ACLr** menu item.
2. Confirm your selection.
   ⇨ The current setting is displayed.
3. Select the desired setting:
   – **On**
   – **OFF**
4. Confirm your selection.
   ⇨ The menu closes.

Saving additional weight permanently (Pt)

With the **Pre-Tare** function, for example, you can save a flat-rate figure for shoes and clothing and deduct this from the measuring result if a patient is weighed fully clothed.



1. From the menu, select the **Pt** menu item.
2. Confirm your selection.
   ⇨ Arrows flash in the display.
   ⇨ The last additional weight saved is displayed.
3. You have the following options for continuing:

   ► Adopt value

   ► Change value: Press the ▲ or the ▼ key

   NOTE
   When you enter the value **0**, the function is switched off. The message **Pt** is no longer shown in the display.

4. Confirm your selection.



5. Ask the patient to sit down on the scale.
   ⇨ The patient's weight is displayed.
   ⇨ The saved additional weight has been deducted automatically.
6. To deactivate the function, select the **Pt** menu item from the menu again.
7. Confirm your selection.
   ⇨ The function is deactivated.
   ⇨ The menu closes.

   NOTE
   When you switch the scale off, the function is switched off. The message **Pt** is no longer displayed when you switch the scale on again.

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Activating Autohold function (AHOld)

When you activate the **Autohold** function, the measuring result is displayed for every weighing procedure after the weight has been removed from the scale. It is then no longer necessary to activate the **Hold** function manually.

NOTE
This function is activated at the factory on some models. The function can be deactivated.

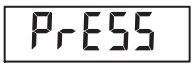


1. From the menu, select the **AHOLd** menu item.
2. Confirm your selection.
   ⇨ The current setting is displayed.
3. Select the desired setting:
   – **On**
   – **OFF**
4. Confirm your selection.
   ⇨ The setting is adopted.
   ⇨ The menu closes.

Activating/deactivating beeps (bEEP)

You can activate beeps for a number of device functions:





1. From the menu, select the **bEEP** menu item.
2. Confirm your selection.
3. Select a menu item:
   – **PrESS**: beep when key is pressed
   – **HOLd**: beep when weighing value is stable
4. Confirm your selection.
   ⇨ The current setting is displayed.
5. Select the desired setting:
   – **On**
   – **OFF**
6. Confirm your selection.
   ⇨ The setting is adopted.
   ⇨ The menu closes.

Setting filtering (FIL)

Attenuation (**FIL**) allows you to reduce interference during weight determination. The selected setting affects the sensitivity with which the weight display reacts to patient movements and the time until the **Hold** function displays a weight value permanently (**Hold** value).

Attenuation level (FIL)	Sensitivity	Determination of Hold value
0	Sensitive	Slow
1	Medium	Medium
2	Slow	Fast

NOTE
With the **0** setting and patients who are not very steady on their feet, it is possible that no weighing value is displayed permanently despite the **Hold** function being activated.
The greatest deviation between weighing value displayed and actual value occurs at setting **2**.



1. From the menu, select the **FIL** menu item.
2. Confirm your selection.
   ⇨ The current setting is displayed.

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3. Select a filtering level.
4. Confirm your selection.
   ⇨ The setting is adopted.
   ⇨ The menu closes.

Restoring factory settings (rESEt)

You can restore the factory settings for the functions below:

Function	Factory setting
Autohold (**AHOLd**)	**OFF**
Acoustic signal (**PrESS**)	**OFF**
Acoustic signal (**HOLd**)	**On**
Attenuation (**FIL**)	**0**
Autoclear (**ACLr**)	**On**
Pre-tare (**Pt**)	**0 kg**
Height for Body Mass Index (**bMi**)	**170 cm**



1. From the menu, select the **rESEt** menu item.
2. Confirm your selection.
   ⇨ The menu closes.
3. Switch off the scale.
   ⇨ Factory settings are restored and are available when the scale is switched on.

7 HYGIENE TREATMENT

WARNING!
Electric shock
The device is not de-energized when the ON/OFF button is pressed and the display goes out. Use of fluids on the device may cause an electric shock.

- ► Before each hygiene treatment, ensure that the device is switched off.
- ► Disconnect the power supply connector before each hygiene treatment.
- ► Take the battery block out of the device before every hygiene treatment.
- ► Ensure that no fluids penetrate the device.

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 impair its operability.

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

7.1 Cleaning

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

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7.2 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 of the disinfectant.
3. Disinfect the device:
   ► Moisten a soft cloth with disinfectant and wipe down the device with it.
   ► Comply with the intervals, see table:

Interval	Component
Before and **after** every measurement with direct skin contact	• Seat • Armrests • Footrests
As required	• Display • Keyboard • Handle bar

7.3 Sterilizing

The device must not be sterilized.

8 FUNCTION CHECK

⚠ **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.

► 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, initially try to remedy the fault with the aid of the “Troubleshooting” section in this document.

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9 TROUBLESHOOTING

NOTICE!
Malfunction
If the device is equipped with the optional **seca 452** external interface module and is connected to the **seca connect 103** software, error messages and error symbols which are not described here may occur.

► Follow the system instructions for use for **seca 103/452**.

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

Fault	Cause	Remedy
No weight is displayed with a load on the scale.	The device has no power supply.	• Switch on device. • In battery mode: Insert batteries. • In power supply operation: Connect the power supply unit.
is displayed.	Battery voltage is dropping.	Insert new batteries as soon as possible
bAtt is displayed.	The batteries have discharged.	Insert new batteries
0.00 is not displayed before weighing takes place.	A load was already on the device before it was switched on.	• Remove the load from the device. • Switch off the device, then switch it back on again.
- - - - - is displayed before weighing takes place.	A load was already on the device before it was switched on.	• Remove the load from the device. • Switch off the device, then switch it back on again.
The weight display flashes.	Consistent weight value not yet detected.	• One of the following functions is active: **Hold**, **Autohold**, **Tare**. Wait until the device has detected a consistent weight value. The display stops flashing. • Take the load off the device, wait until **0.00** is displayed and measure again.
Implausible measuring results.	Patient moved too much during the measurement.	Take the load off the device, wait until **0.00** is displayed and repeat the measurement procedure.
One display segment is displayed continuously or not at all.	The display is defective.	Inform seca Service.
StOP is displayed.	Maximum capacity has been exceeded.	Remove the load from the device.
tEMP is displayed.	The ambient temperature of the scale is too high or too low.	• Operate the device only in the intended ambient conditions (General technical data). • After transport or storage of the device, wait approx. 15 minutes before switching it on.
The device no longer reacts when keys are pressed.	Device is in an undefined state following implausible input.	• Take power supply unit out of the power supply socket. • Wait approx. 1 minute. • Plug the power supply unit into the power supply socket; the scale and the multifunctional display will switch on automatically.
	The keypad is defective.	Inform seca Service.

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Fault	Cause	Remedy
Er:[No.]:11 is displayed.	The device has too high a load or too high a load in one corner.	• Remove the load from the device or distribute the weight more evenly. • Switch off the device, then switch it back on again. • If the problem persists, inform seca Service.
Er:[No.]:12 is displayed.	The device has been switched on with too high a load.	• Remove the load from the device. • Switch off the device, then switch it back on again.
Er:[No.]:16 is displayed.	The device was caused to oscillate, the zero point could not be determined.	• Switch off the device, then switch it back on again.

10 SERVICING

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.

Have authorized persons perform verification in line with national legal regulations.

Verification is necessary whenever one or more quality seals are damaged or the contents of the verification counter no longer match the number on the applicable verification sticker. If quality seals are damaged, contact seca Service directly.

Verifications may only be performed by authorized agencies. To guarantee this, the scale is equipped with a verification counter which records each change in verification-related data.

If you want to check whether the scale has been properly verified, proceed as follows:

1. Ensure that the device is switched off.
2. Press and hold any key and start the scale.
   ⇨ The current content of the verification counter flashes in the display for a few seconds.





3. Compare the content of the verification counter output with the number given on the verification counter seal.

Both numbers have to match for the verification to be valid. If the verification sticker and the verification counter do not match, the scale must be verified. Please contact your service partner or seca Service. Once the scale has been verified, a new, updated verification counter sticker is used to identify the verification counter reading. The person authorized to perform verification secures this verification with an additional seal. The verification counter sticker can be ordered from seca Service.

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11 TECHNICAL DATA

11.1 General technical data

Parameter	Value
Dimensions • Depth (footrests pulled out) • Depth (footrests pushed in) • Width • Height • Seat height	 978 mm 808 mm 563 mm 897 mm 528 mm
Weight	approx. 25 kg
Height of digits, display	25 mm
Ambient conditions, operation • Temperature • Air pressure • Humidity	 +10 °C to +40 °C / +50 °F to 104 °F 700 – 1060 hPa 30 % – 80 % no condensation
Ambient conditions, storage/transport • Temperature • Air pressure • Humidity	 -10 °C to +65 °C / +14 °F to 149 °F 700 – 1060 hPa 0 % – 95 % no condensation
Medical device in accordance with regulation (EU) 2017/745	Class I with measuring function
IEC 60601-1: Medical electrical device, Type B	
Type of protection in accordance with IEC 60529	**IP20**
Duty cycle	Continuous duty
Service life, from commissioning [a]	at least 10 years
Application parts according to IEC 60601-1	Seat, armrests, footrests
Battery block • Supply voltage • Maximum running time	 7.2 V approx. 10000 weighing operations
Power supply unit • Supply voltage • Current consumption • Insulated device, protection class II (IEC 60601-1) • Mains voltage • Power supply frequency	 12 V approx. 25 mA  100 V – 240 V 50 Hz – 60 Hz

[a] Minimum service life when used as intended and serviced in a timely manner. seca products usually have a significantly longer service life.

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11.2 Weight measurement

Verified model	
Verification in compliance with Directive 2014/31/EU	Class III
Maximum capacity • Weighing range 1 • Weighing range 2	 150 kg 250 kg
Minimum capacity • Weighing range 1 • Weighing range 2	 1 kg 2 kg
Graduation • Weighing range 1 • Weighing range 2	 50 g 100 g
Tare range	250 kg (subtractive)
Accuracy on initial verification • Weighing range 1: < 25 kg • Weighing range 1: 25 kg to 100 kg • Weighing range 1: 100 kg to 150 kg • Weighing range 2: < 50 kg • Weighing range 2: 50 kg to 200 kg • Weighing range 2: 200 kg to 250 kg	 ± 25 g ± 50 g ± 75 g ± 50 g ± 100 g ± 150 g

12 OPTIONAL ACCESSORIES AND SPARE PARTS

Accessory/spare part	Article number
Switch-mode power supply unit with adapters and safety connector socket: • Input: 100 V – 240 V~, 50 Hz – 60 Hz • Output: 12 V= / 0.5 A	68 32 10 266 009
NiMH battery block: 7.2 V= / 1300 mAh	68 22 12 721 009
Mobile power supply **seca 454**	454 0000 009
Power pack carrier pouch **seca 471**	471 0000 009
Accessories for integration via WiFi/LAN • External interface module **seca 452** • Software **seca connect 103** • Barcode scanner	 452 0030 009 Will be provided in the course of integration projects Cannot be ordered through seca; for recommendations, see System instructions for use for **seca 103/452**

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13 DISPOSAL

13.1 Disposing of the device



Do not dispose of the device in your household waste. The device must be properly disposed of as electronic scrap. Follow your respective national regulations. For more information, please contact seca Service or an authorized service partner.

13.2 Disposing of batteries and rechargeable batteries



Do not dispose of used batteries and rechargeable batteries in household waste, regardless of whether they contain harmful substances or not. As a consumer, you are legally obliged to dispose of batteries and rechargeable batteries via local authority collection points or trade collection points. Only dispose of batteries and rechargeable batteries once they are completely discharged.

14 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.

15 DECLARATION OF CONFORMITY

CE M24 0102 0123

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.

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