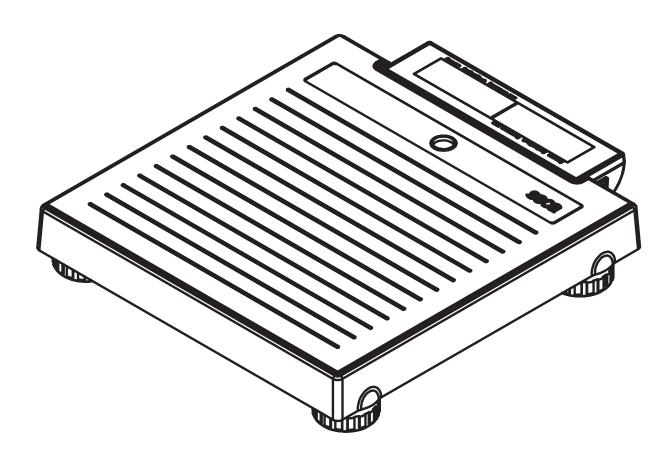


seca 874 dr

Instructions for use

17-10-06-402-002g_2025-02S



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1 DESCRIPTION OF DEVICE

1.1 Intended use

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

1.2 User qualification

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

1.3 Patient target group

The device is intended for persons of any age who can stand independently and who do not exceed the maximum weight capacity of the device. Babies and toddlers who cannot stand independently can be weighed using the **2 in 1** function whilst being held by an adult who can stand independently.

1.4 Contraindications

No contraindications are known.

1.5 Clinical benefit

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

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

The physician must perform additional examinations for an accurate diagnosis.

1.6 Functional description

Weight on this electronic personal scale is detected by four load cells.

The **2 in 1** function can be used to determine the weight of babies and toddlers. The child is held in an adult's arms during weighing to do this.

The scale is equipped with a double display: This enables the user and the patient to read off the measuring result simultaneously.

2 SAFETY INFORMATION

2.1 Safety information in these instructions for use



DANGER!

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



WARNING!

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



CALITION

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

NOTICE!

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

NOTE

Includes additional information about use of the device.

2.2 Basic safety information

Handling device

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



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

- 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

connected quickly.

- ► 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.

Preventing electric shock



WARNING!

- ► 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 dis-
- ► 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

Preventing injuries and infections



WARNING! Injury from falling

- ► Ensure that the device is steady and level.
- ▶ Route connector cables (if present) so that neither users nor the patient can trip over them.
- Assist people with limited motor skills when they are getting up, e.g. from a wheelchair.
- ► Ensure that the patient does not step directly onto or off the edges of the weighing platform.
- ► Ensure that the patient steps onto and off the weighing platform slowly and safely.



WARNING!

Danger of slipping

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



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.
- ► For devices with power supply operation: Switch off the device before you disconnect the power supply unit from the power supply socket.
- ► For devices with power supply operation: 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.
- ➤ For devices with battery or rechargeable battery operation: If you are not using the device for an extended period of time, remove batteries or rechargeable batteries. 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 outlined in the section entitled "Technical data".
- ► Store the device only in the intended storage conditions outlined in the section entitled "Technical data".
- ▶ Use only cleaning agents and disinfectants which match the details in the section entitled "Hygiene treatment".
- ► For scales: Ensure that maximum capacity is not exceeded.

Handling measuring results

NOTICE!

Inconsistent measuring results

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

Handling packaging material



WARNING!

Risk of suffocation

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

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

NOTE

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

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.

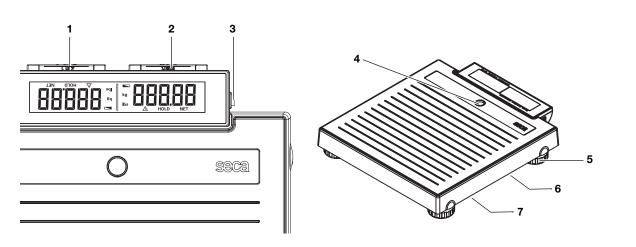
NOTICE!

Damage to device and malfunction due to incorrect handling

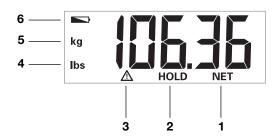
- ▶ Use only the type of battery/rechargeable battery quoted in this document.
- ► Always replace all batteries/rechargeable batteries at the same time.
- ▶ Do not short-circuit batteries/rechargeable batteries.
- ▶ If you do not use the device for an extended period of time, remove the batteries/rechargeable 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.

3 OVERVIEW

3.1 Controls



Item	Control	Function	
1	 2 in 1 key Starts the 2 in 1 function for weighing babies and toddlers Switches between kg and lbs 		
2	start key Starts the weighing function		
3	On/off switch	Switches the scale on and off	
4	Spirit level	Indicates whether the device is horizontal	
5	Foot screw	4 pcs, for precise alignment	
6	Power supply connection	For connecting a power supply unit available as an option	
7	Battery compartment	Takes 6 AA-type batteries (AA/1.5 V)	



Item	Symbol	Meaning	
1	NET	Tare function active	
2	HOLD	Hold function active	
3	\triangle	Non-verifiable function active	
4	lbs	Weight value in pounds	
5	kg	Weight value in kilograms	
6		Batteries are low	

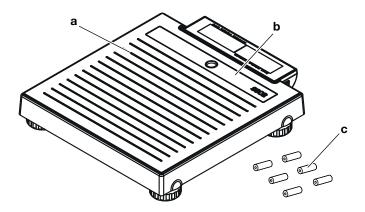
3.3 Labels

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 as per Directive (EU) 2017/745)	
REF	Article number	
SN	Serial number	
GAL	Value in m/s² (model-dependent) GAL Gravitational acceleration on earth Depends on the intended location	
ProdID	seca product identification number	
Mat.No.	Mat.No. Variant number	
[i]	Follow instructions for use	
†	Medical electrical device, Type B	
IP20	Type of protection to IEC 60529: • Protection against ingress of solid foreign bodies with a diameter of over 12.5 mm • Protection against access with fingers • No protection from ingress of water	
d	Value in units of mass States the difference between two consecutive display values	

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

4 STARTING UP DEVICE

4.1 Scope of delivery

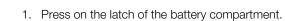


Item	Component	Pcs.
а	Personal scale	1
b	Interchangeable design panel	1
С	Battery	6
_	"Changing design panel" flyer	1
-	Instructions for use	1

4.2 Establishing power supply

Inserting batteries

You need 6 batteries (type AA/1.5 V, included in scope of delivery).



2. Remove the cover of the battery compartment.



Damage to device

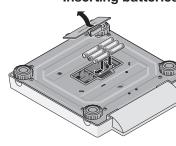
Device may overheat and become damaged.

- ► Ensure the correct polarity of the batteries (markings in the battery holder).
- 3. Insert the batteries.

NOTE

If **bAtt** appears in the display, you have inserted one of the batteries the wrong way round or the batteries have discharged.

4. Close the battery compartment.



Connecting the power supply unit (optional)

The scale can be operated with a power supply unit (optional accessory).

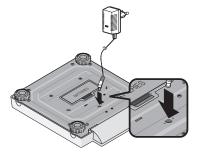
Λ

WARNING!

Personal injury or damage to the 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. Insert the connector required for your power supply into the power supply unit.
- 2. Insert the device connector of the power supply unit into the connecting socket of the scale.
- 3. Plug the power supply unit into a power supply socket.



4.3 Setting up and aligning the device



CAUTION!

Faulty measurement as a result of devices being set up incorrectly

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

- ► Select a setup location with a level, stable floor in order to achieve precise measuring results.
- ► Use the device only in the intended ambient conditions outlined in the section entitled "Technical data".
- ▶ Align the device before using it and every time it changes location.
- 1. Place the device on a firm, level surface.
- 2. Align the device by turning the foot screws so that the air bubble of the spirit level is in the exact center of the circle.
- 3. Ensure that only the feet of the device are in contact with the ground.





5 OPERATION

\triangle

CAUTION!

Personal injury/faulty measurement

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

5.1 Switching the device on and off

Switching on the device

- ✓ The scale has no load.
- ► Set the ON/OFF switch to position "I".

ON/OFF switch



- ⇒ **SECA** appears in the display.
- ⇒ All the elements of the display are shown briefly.



⇒ The scale is operational when **0.00** appears in the display.

Switching off the device

► Set the ON/OFF switch to position "O".

ON/OFF switch



NOTE

Switch off the device before transporting it so that the **start** key is not accidentally pressed during transport, so wasting power.

Switching the display on and off (standby)



► Press the **start** key.

NOTE

The display switches off automatically after a short time if there is no load on the scale (not when operated with a power supply unit).

Weighing a patient

- ✓ The scale has no load.
- 1. If the scale switched off automatically after the last measurement, press the **start** key.

NOTICE!

Damage to device

The display is sensitive and may be damaged under load

▶ Make sure that the patient does not step on the display.



2. Ask the patient to step onto the scale.

NOTE

The HOLD function is activated automatically at weights of over 1.5 kg or 3.3 lbs. The display flashes until a stable weight has been measured. The display then freezes until the next weighing operation. **A HOLD** appears in the display.



EBEF

3. Read off the measuring result.

Weighing babies/toddlers (2 in 1)

2 in 1 key

E9EL

The **2 in 1** function can be used to determine the weight of babies and toddlers. The child is held in an adult's arms during weighing to do this. Proceed as follows:

- 1. Ensure that there is no load on the scale.
- 2. Ask the adult to stand on the scale.
- 3. Read off the measuring result.
- 4. Keep the 2 in 1 key depressed until the message NET appears in the display.
 - ⇒ The weight is saved.
 - ⇒ **0.00** appears in the display.



WARNING!

Faulty measurement as a result of initial weight changing

If the child is weighed together with a different adult, it will not be possible to determine the child's weight correctly.

- ► Ensure that the child is always weighed with the adult with whom the initial weight was determined.
- ► Ensure that the adult's weight does not change as a result of their taking off a piece of clothing, for example.



- 5. Ask the adult to get onto the scale holding the child.
 - \Rightarrow The child's weight is displayed.
 - ⇒ The symbol Λ and the messages **HOLD** and **NET** are displayed.
- 6. Read off the measuring result.
- 7. Ask the adult to get off the scale with the child.
- 8. You have the following options for deactivating the 2 in 1 function:
 - ▶ Press the 2 in 1 key until the symbol and the messages HOLD and NET are no longer displayed.
 - ► Switch off the device.

You can select the unit in which weight is to be displayed.



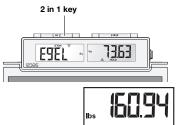
WARNING!

To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters).

- ► 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.
- 1. Press the **start** key.



⇒ The current weight unit (in this case kg) will be displayed.



- 2. Keep the 2 in 1 key depressed for approx. 3 seconds.

⇒ The unit is switched (in this case lbs).

3. To switch the unit back again, keep the 2 in 1 key depressed for approx. 3 seconds again.

Λ

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 batteries 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 lead to transparent components becoming clouded.

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

6.1 Cleaning

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

6.2 Disinfecting

- Disinfect the device at regular intervals using a disinfectant suitable for sensitive surfaces and acrylic glass. seca recommends a 70 % ethanol solution as a surface disinfectant.
- 2. Follow the instructions for use of the disinfectant.
- 3. Disinfect the device as follows:
 - ▶ Moisten a soft cloth with disinfectant and wipe down the device with it.
 - ► Comply with the intervals, see table:

Interval	Component
Before and after every measurement with direct skin contact	Weighing platform
As required	DisplayCarry case

6.3 Sterilizing

The device must not be sterilized.

▶ Perform a function check before each use.

A complete function check includes:

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

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



CAUTION!

Personal injury

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

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

8 TROUBLESHOOTING

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

Fault	Cause	Remedy
The scale does not display a weight although a load was placed on it	Scale is switched off or without batteries	Check that the scale is switched on Check that batteries are inserted
Scale switches itself on, e.g. during transport	start key pressed	Set the On/off switch to "O" when transporting
The scale displays a weight after transport or a battery replacement although no load has been placed on it	Scale has determined an incorrect zero point	Switch off the scale, then switch it back on again
0.00 does not appear before weighing	Scale had load on it before being switched on	Remove the load from the scale Switch off the scale, then switch it back on again
displayed before weighing	Scale had load on it before being switched on	Remove the load from the scale Switch off the scale, then switch it back on again
Single segment is illuminated continuously or not at all	Display faulty	Inform seca Service
Display:	Battery voltage is dropping	Replace the batteries
Display: bAtt	Batteries discharged or not inserted	Replace the batteriesInsert the batteries the right way round
Display: StOP	Maximum capacity exceeded	Remove the load from the scale

Fault	Cause	Remedy
Display: Er + figure	Too high a load on the scale or too high a load in one corner	 Remove the load from the scale or distribute the weight more evenly Switch off the scale, then switch it back on again If the problem persists, inform seca Service

SERVICING 9

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



CAUTION!

- Faulty measurements as a result of poor servicing ► Have servicing and repairs carried out exclusively by seca Service or an authorized service partner.
 - ► You can find your local service partner at www.seca.com.

TECHNICAL DATA 10

10.1 General technical data

Dimensions Depth Width Height	360 mm 321 mm 60 mm
Net weight	Approx. 4.0 kg/ 8.8 lbs
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
Height of digits	20 mm
Power supply Batteries Supply voltage Battery type Power supply unit (optional) Supply voltage Insulated device, protection class II (EN 60601-1)	9 V 6 x type AA, 1.5 V, not rechargeable 12 V
Maximum current consumption	Typically 50 mA
Medical device in accordance with Regulation (EU) 2017/745	Class I with measuring function

EN 60601-1: Medical electrical equipment, type B	*
Application part in line with IEC 60601-1	Tread area
Type of protection	IP20
Duty cycle	Continuous duty

10.2 Weight measurement

Maximum capacity	200 kg/440 lbs
Accuracy • 0 to 50 kg/110 lbs • 50 kg/110 lbs to 200 kg/440 lbs	± 100 g/0.22 lbs ± 0.15 %
Graduation	50 g/0.1 lbs 100 g/0.2 lbs

11 OPTIONAL ACCESSORIES

Accessory	Article number
Carry case seca 421	421 00 00 009
Carry case seca 415	415 00 00 009
Customizable design panel	01 13 05 499 009
Power supply: • Plug-in power supply, Euro: 230 V~ / 50 Hz / 12 V= / 150 mA • Switch-mode power supply unit: 100-240 V~ / 50-60 Hz / 12 V= / 0.5 A	68 32 10 252 68 32 10 266

12 DISPOSAL

12.1 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.

12.2 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.

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.

14 DECLARATION OF CONFORMITY



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

Medical Measuring Systems and Scales since 1840

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