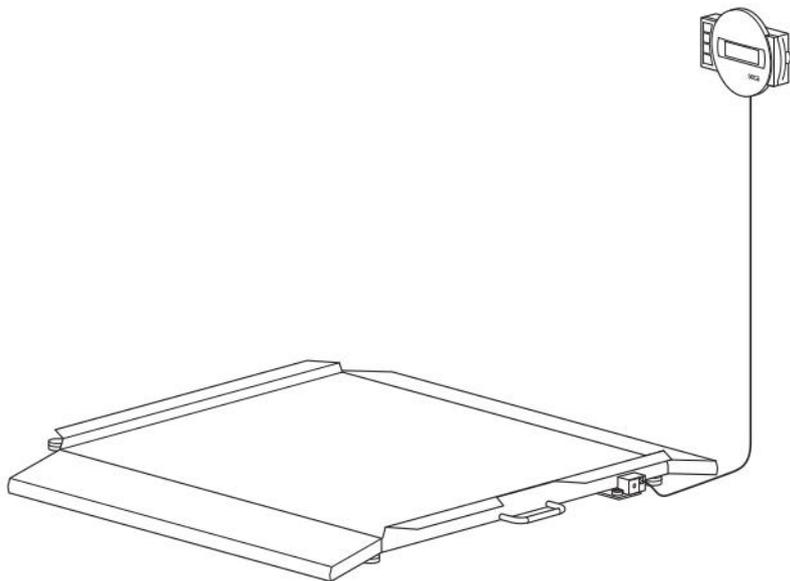


seca 674



D	Bedienungsanleitung und Garantieerklärung	3
GB	Instruction manual and guarantee	43
FR	Mode d'emploi et garantie	81
IT	Manuale di istruzioni e garanzia	123
ES	Manual de instrucciones y garantía	163
PT	Instruções de utilização e declaração de garantia	205
PL	Instrukcja obsługi i gwarancja	247

TABLE OF CONTENTS

1. Signed and sealed	45	5. Before you really get started... ..	57
2. Device description	46	5.1 Scope of delivery	57
2.1 Congratulations!	46	5.2 Making display housing ready	
2.2 Intended use	46	for use (desktop display)	58
2.3 Description of function	46	Fitting the angle adapter	58
2.4 User qualification	47	Connecting the connecting	
Assembly	47	cable to the platform	58
Operation	47	5.3 Making display housing ready	
3. Safety information	47	for use (wall-mounted display) ..	59
3.1 Safety information in these		Fitting the angle adapter	59
instructions for use	47	Connecting the connecting	
3.2 Basic safety instructions	48	cable to the platform	60
Handling the instrument	48	Installing the wall bracket	61
Preventing electric shock	49	Placing the display housing	
Avoiding infections	49	on the wall bracket	61
Avoiding injuries	50	5.4 Establishing power supply	62
Preventing device damage	50	5.5 Setting up the scale	63
Handling measuring results	51	Aligning the scale	63
Handling packaging material	52	6. Operation	64
4. Overview	53	6.1 Weighing	64
4.1 Controls	53	Switching on the scale	64
4.2 Symbols in the display	54	Weighing a patient	65
4.3 Marking on the device and		Taring off extra weight	
on the rating plate	54	(TARE)	65
4.4 Marking on the packaging	55	Keeping the measurement	
4.5 Menu structure	56	result in the display (HOLD)	66
		Determining and rating	
		body mass index (BMI)	67
		Switching off the scale	68
		6.2 Other functions (menu)	69
		Navigating in the menu	69
		Deleting saved values	
		automatically (AClr)	70
		Permanently saving the	
		additional weight (Pt)	70
		Activating the auto hold	
		(Ahold) function	71
		Activating beeps (BEEP)	72
		Setting filtering (Fil)	72
		Switching unit of weight (Unit) ..	73
		Restoring factory settings	
		(RESET)	74

7. Hygiene treatment 75
 7.1 Cleaning 75
 7.2 Disinfecting 75
 7.3 Sterilizing 76
8. Function check 76
9. Troubleshooting 77
10. Servicing 78
11. Technical data 78
12. Optional accessories 79
13. Spare parts 79
14. Disposal 80
15. Warranty 80

1. SIGNED AND SEALED



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.



Products bearing this symbol meet the applicable regulatory requirements of the European Community, especially the following:

- Directive 93/42/EEC for medical devices

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. DEVICE DESCRIPTION

2.1 Congratulations!

With the **seca 674** electronic multi-functional scale, you have purchased a highly precise and simultaneously robust device.

For over 170 years, seca has used its experience in the service of healthcare and, as a market leader, it has always set standards in many countries of the world with innovative developments in weighing and measuring.

2.2 Intended use

Electronic multi-functional scale **seca 674** is mainly used in hospitals, medical practices and in-patient care facilities in accordance with national regulations.

The scale is for conventional determination of weight and establishment of general state of nutrition; it assists the physician supervising treatment in making a diagnosis or deciding on a course of treatment.

To make an accurate diagnosis, however, other specific examinations have to be ordered by the physician and their results taken into account, in addition to determining a weight value.

2.3 Description of function

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

In addition to conventional determination of weight, the **seca 674** provides a function for determining body mass index. To this end, height is entered on the key-pad and the body mass index associated with the weight value is calculated automatically.

The **seca 674** can be moved on casters.

Use the scale only for the purpose named in the section entitled "Intended use" on page 46.

2.4 User qualification

- Assembly** Devices that are shipped partially assembled may only be mounted by sufficiently qualified persons such as specialist dealers, hospital technicians or seca service technicians.
- Operation** 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.

ATTENTION!

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 instructions

Handling the instrument

- 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 configurator 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 service partner. You can find service partners in your area at www.seca.com or by sending an e-mail to service@seca.com.

- 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. Details can be found at www.seca.com.

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 scales 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 injuries



WARNING!

Risk of falling

- Ensure that the device is positioned firmly and level.
- Route the mains cable so that there is no risk of tripping for the patient or user.
- The device is not designed as a standing aid. Assist people with limited motor skills when they are getting up, e.g. from a wheelchair.
- Make sure that the patient does not step onto the weighing platform directly at the edges.
- Make sure that the patient steps onto the weighing platform slowly and securely.



WARNING!

Risk of slipping

- Ensure that the weighing platform is dry before the patient steps onto it.
- Ensure that the patients feet are dry before he or she steps onto the weighing platform.
- Make sure that the patient steps onto the weighing platform slowly and securely.

Preventing device damage

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 measuring 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 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!

Loss of data

- Before you save measurements acquired with this device and process them for further use (e.g. in the PC software **seca analytics** or in a hospital information system), make sure the measurement values are plausible.
- If measurement values are transmitted to the **seca analytics** 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 packaging material



WARNING!

Risk of suffocation

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

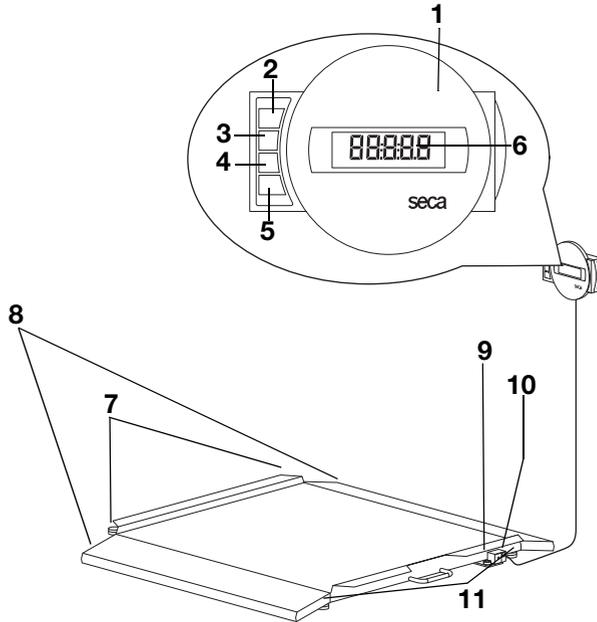
- Keep packaging material out of reach of children.
- In the event that the original packing material may not be available anymore, only use plastic bags with security holes in order to reduce the risk of suffocation.

NOTE

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

4. OVERVIEW

4.1 Controls



No.	Control	Function
1	Display housing	<ul style="list-style-type: none"> • Central control and display element • Can be set up on a work surface or fitted to a wall
2		Switch scale on and off
3		Arrow key <ul style="list-style-type: none"> • During weighing: <ul style="list-style-type: none"> - press briefly: activate hold function - press and hold: activate tare function • In the menu: <ul style="list-style-type: none"> - select submenu, select menu item - increase value

No.	Control	Function
4		Arrow key <ul style="list-style-type: none"> • During weighing: <ul style="list-style-type: none"> - press briefly: activate BMI function - press and hold: call up menu • In the menu: <ul style="list-style-type: none"> - select submenu, select menu item - reduce value
5		Enter key <ul style="list-style-type: none"> • In the menu: <ul style="list-style-type: none"> - confirm selected menu item - save set value
6	Display	Display element for measuring results and to configure the device
7	Transport casters	The scale can be moved on these casters.
8	Ramps	Make it easier to access the scales with a wheelchair
9	Spirit level	Shows whether the device is horizontal
10	Power supply connection	Serves to connect the power pack supplied
11	Foot screw	4 pcs, for precise alignment

4.2 Symbols in the display



	Symbol	Meaning
A		Operation with power pack
B		Non-calibratable function active
C		Memory location currently in use

4.3 Marking on the device and on the rating plate

Text/symbol	Meaning
Model	Model number
Ser. no.	Serial number

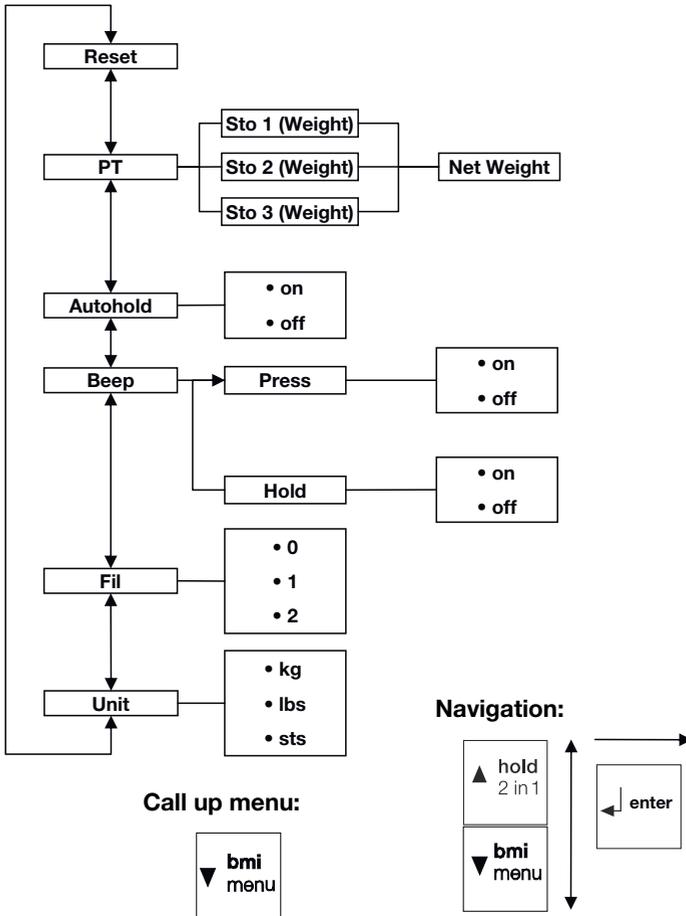
Text/symbol	Meaning
	Follow instructions for use
	Electrical medical device, type B
	Insulated device, protection class II
d	Value which gives the difference between two consecutive display values
	Device conforms to EC directives <ul style="list-style-type: none"> • 0123: appointed office for medical devices: TÜV Süd Product Service
	Rating plate on the power supply connection socket <ul style="list-style-type: none"> • x-y V: required supply voltage • max xxx mA: maximum current consumption • : note polarity of device plug • : operate device with direct current
	Do not dispose of device with household waste

4.4 Marking on the packaging

	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. moisture for transport and storage
	Packaging material can be disposed of through recycling programs.

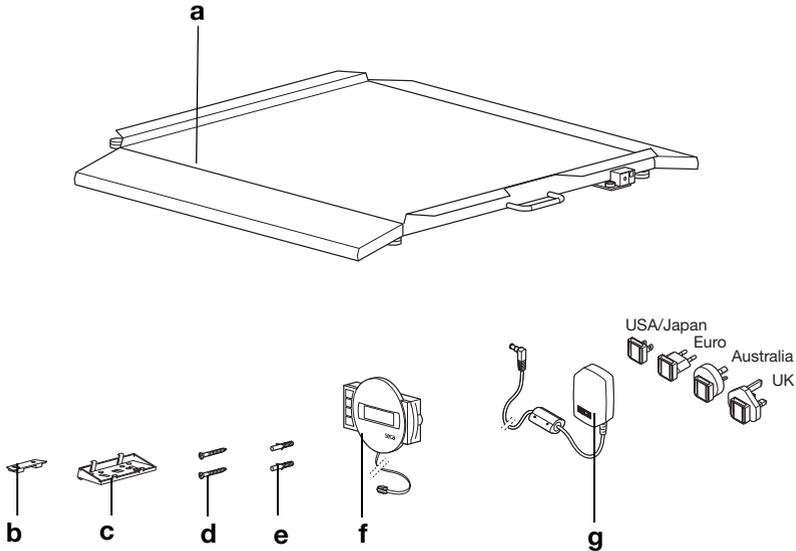
4.5 Menu structure

Other functions are available to you in the menu for the device. This enables you to configure the device perfectly to suit your needs (details from page 69).



5. BEFORE YOU REALLY GET STARTED...

5.1 Scope of delivery



No.	Component	Pcs.
a	Weighing platform	1
b	Wall bracket	1
c	Angle adapter	1
d	Screws, 3 x 35 mm	2
e	Wall plugs Ø 5 mm	2
f	Display housing with connecting cable	1
g	Power pack with adapters (depending on model: power pack with Euro connector)	1
	Instructions for use, not shown	1

5.2 Making display housing ready for use (desktop display)

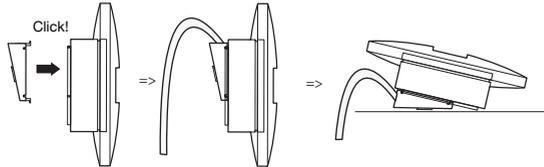
ATTENTION!

Damage to device

The angle adapter cannot be removed once fitted.

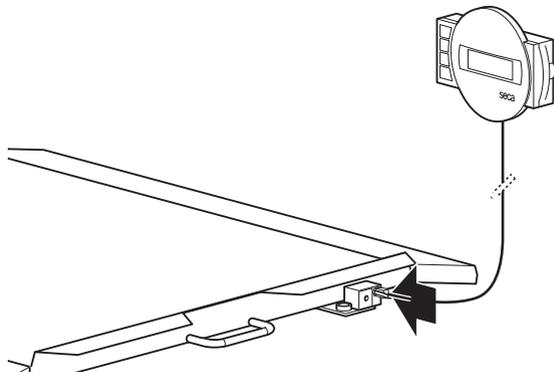
- Ensure **before** fitting that the display housing is to be set up on a desktop.

Fitting the angle adapter



1. Hold the angle adapter against the display housing in the position shown.
2. Ensure that the connecting cable is running in the guide groove of the angle adapter.
3. Push the angle adapter onto the display housing until all four lugs engage audibly.

Connecting the connecting cable to the platform



NOTE

When selecting the setup location, take account of the length of the connecting cable so that you can set up the display housing on a work surface.

1. Place the scales on a firm, level surface.
2. Connect the connecting cable to the electronics box of the scales.

ATTENTION!**Incorrect measurement due to force shunts**

If the cable of the display housing contacts the weighing platform, the patient's weight cannot be measured correctly.

- Route the cable in such a way that it cannot contact the weighing platform.

3. Set up the display housing on a work surface.

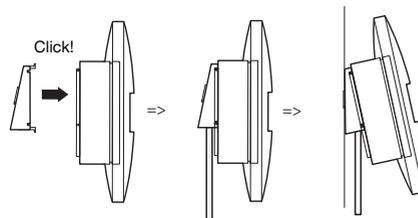
5.3 Making display housing ready for use (wall-mounted display)

ATTENTION!**Damage to device**

The angle adapter cannot be removed once fitted.

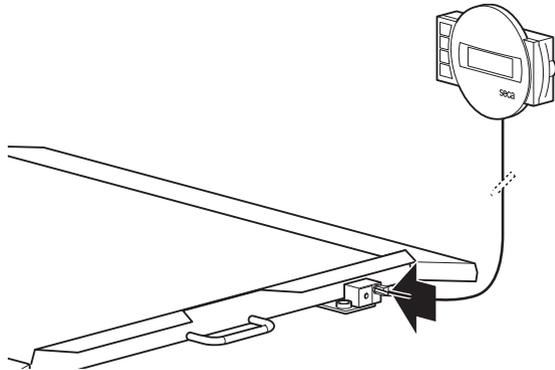
- Ensure **before** fitting that the display housing is to be wall-mounted.

Fitting the angle adapter



1. Hold the angle adapter against the display housing in the position shown.
2. Ensure that the connecting cable is running in the guide groove of the angle adapter.
3. Push the angle adapter onto the display housing until all four lugs engage audibly.

Connecting the connecting cable to the platform



NOTE

When selecting the setup location, take account of the length of the connecting cable so that you can place the display housing on the wall bracket.

1. Place the scales on a firm, level surface.
2. Connect the connecting cable to the electronics box of the scales.

ATTENTION!

Incorrect measurement due to force shunts

If the cable of the display housing contacts the weighing platform, the patient's weight cannot be measured correctly.

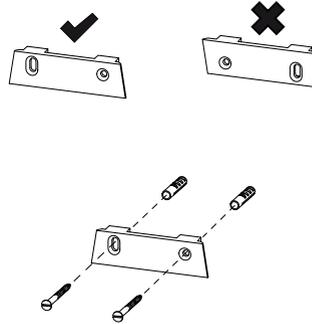
- Route the cable in such a way that it cannot contact the weighing platform.

Installing the wall bracket

Choose an adequately strong load-bearing wall to mount the device. Standard wall plugs are supplied for installation on solid brick walls. We recommend use of appropriate special wall plugs for other types of wall.

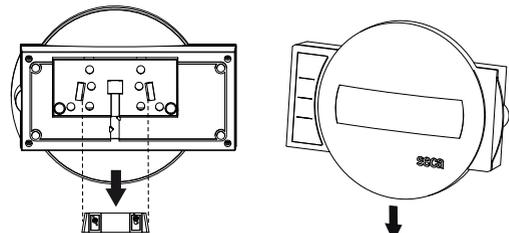
NOTE

When selecting mounting height, take account of the length of the connecting cable.



1. Mark the drill holes at the desired height, making sure they are level.
2. Drill the holes using a \varnothing 5 mm drill bit.
3. Insert the wall plugs in the drill holes.
4. Screw the wall bracket to the wall in the alignment shown.

Placing the display housing on the wall bracket



Rear view
(Schematic diagram)

- ◆ Place the display housing on the wall bracket as shown in the drawing above.

5.4 Establishing power supply

The scales are powered by a power pack. 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.

Connecting the power pack

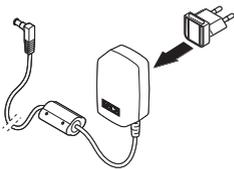


WARNING!

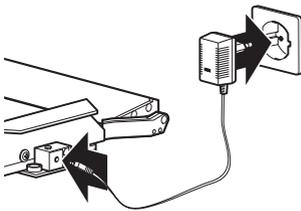
Using the wrong power packs may cause bodily injury or damage to the device

Conventional power packs may deliver a higher voltage than is indicated on them. The scale may overheat, catch fire, melt or short-circuit.

- Use only original seca plug-in power packs with a 9 V or controlled 12 V output voltage.



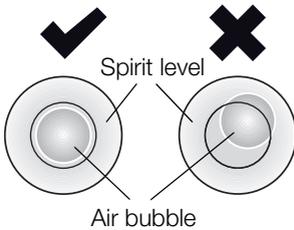
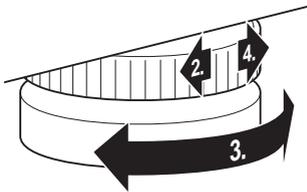
1. If required, insert the power supply connector necessary for your power supply into the power pack.



2. Insert the connector of the power pack into the connecting socket of the scale.
3. Plug the power pack into a power supply socket.

5.5 Setting up the scale

Aligning the scale



ATTENTION!

Incorrect measurement due to force shunts

If the scale and housing is in contact with something, e.g. a towel, weight will not be measured correctly.

- Set the scale up so that only its foot screws are in contact with the floor.

1. Place the scale on firm, level surface.
2. Undo the knurled wheels.
3. Level the device by turning the foot screws.

The air bubble in the spirit level must be located in the exact center of the circle.

4. Tighten the knurled wheels in the direction of the arrow.

The foot screws are secured against being adjusted.

6. OPERATION



CAUTION! **Bodily injury**

Perform a function check as described in the section entitled "Function check" on page 76 before using the device each time.

6.1 Weighing



CAUTION! **Patients can be injured if they fall**

People with restricted mobility may fall if they try to step onto the scale.

- Support people with restricted mobility when they step onto the scale.
- Use a suitable means of patient transport to get those unable to stand unaided onto the weighing platform.
- Ensure that the brakes of the means of transport are applied during the weighing operation.

ATTENTION! **Incorrect measurement as a result of incorrect loading**

If the scales are loaded on only one side or in only one corner, weight will not be measured correctly.

- Ask your patients to position themselves in the centre of the scales.
- Position the means of patient transport centrally on the scales.

Switching on the scale



- ◆ Press the Start key.
All the elements of the display are shown briefly, then **SECA** appears in the display.
The scale is operational when **0.00** appears in the display.

Weighing a patient

The procedure described in this section is suitable for patients who can stand on their own and stand still throughout the entire weighing operation.

1. Ensure that the scale has no load.
2. Ask the patient to step onto the scale.
3. Ask the patient to keep still.
4. Read off the measurement result.



NOTE

To weigh patients with restricted mobility, see the section entitled "Taring off extra weight (TARE)" on page 65.

To weigh patients with no mobility at all, see the section entitled "Permanently saving the additional weight (Pt)" on page 70.

Taring off extra weight (TARE)

Using the TARE function, you can prevent any extra weight (e.g. a towel or a support on the weighing platform) from affecting the weighing result.

This function is suitable for patients with restricted mobility who cannot stand for the whole of the weighing operation. You can weigh a wheelchair first and then deduct its tare weight. The patient can then be weighed in a sitting position.

ATTENTION!

Incorrect measurement due to force shunts

If an extra weight, e.g. a large towel, contacts the surface on which the scale is placed, weight will not be measured correctly.

- Make sure that extra weights are only placed on the scale's weighing surface.

1. Switch on the scale.
2. Place the extra weight on the scale.
3. Hold the **(hold/tare)** arrow key down until the message "NET" appears in the display.
4. Wait until the display stops flashing and **0.00** appears instead.
5. Weigh patients as their mobility permits.
 - Ask the patient to step onto the scales and to stand still.
 - Help the patient step onto the scale and sit down on the waiting wheelchair.
6. Read off the measurement result.





7. To deactivate the TARE function, press the **(hold/tare)** arrow key until the message "NET" 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.

Keeping the measurement result in the display (HOLD)

When you activate the HOLD function, the weight value continues to be displayed after the weight has been removed from the scale. As a result, you can attend to the patient before recording the weight.

1. Ensure that the scale has no load.
2. Switch on the scale.
3. Weigh the patient as described in the section entitled "Weighing a patient".
4. Press the **(hold/tare)** arrow key briefly.



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



5. To deactivate the HOLD function, briefly press the **(hold/tare)** arrow key.

The Δ symbol and the "HOLD" message are no longer displayed.

NOTE

If the auto hold function is activated, the weight value is automatically displayed permanently until the scale switches itself off or is switched off, see "Activating the auto hold (Ahold) function" on page 71.

Determining and rating body mass index (BMI)

Body mass index relates height and weight to one another and consequently allows more accurate information than ideal Broca weight, for example. A tolerance range is quoted which is considered ideal for health.

The device has three memories for height. You can enter and save the height of specific patients. Alternatively, you can save different start values and thus set a patient's actual height more quickly.

1. Ensure that the scale has no load.
2. Switch on the scale.

3. Press the **(bmi/menu)** arrow key briefly.

The message "BMI" appears.

The last memory used is displayed (in this case, memory 2).

4. You can adopt the memory displayed or select a different memory using the arrow keys.

5. Confirm your setting with Enter (**Enter**).

Arrows flash in the display.

The last height saved to the selected memory is displayed.

6. You can accept the height displayed or use the arrow keys to set a different height.

7. Confirm your setting with Enter (**Enter**).

The height entered is saved and will be available again for the next BMI calculation.

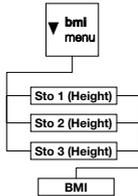
NOTE

Make a note of the memory number so that you can call up this height for another BMI calculation.

8. Weigh the patient as described in the section entitled "Weighing a patient".

The patient's BMI is automatically calculated and displayed.

9. Read off the BMI and compare it with the categories quoted further down.



10. To deactivate the BMI function, briefly press the Enter key (**Enter**).



BMI	Rating
Below 18.5	Patient is underweight. There could be anorexic tendencies. Weight should be increased to improve well-being and performance. If in doubt, seek the advice of a consultant.
Between 18.5 and 24.9	The patient's weight is normal.
Between 25 and 30 (incipient obesity)	The patient is slightly to moderately overweight. He or she should lose weight if already suffering from a disease such as diabetes, high blood pressure, gout or disorders of fat metabolism.
Over 30	Weight needs to be lost urgently. The metabolism, the circulatory system and the bones are all under strain. A strict diet, lots of physical activity and behavioral training are all recommended. If in doubt, seek the advice of a consultant.

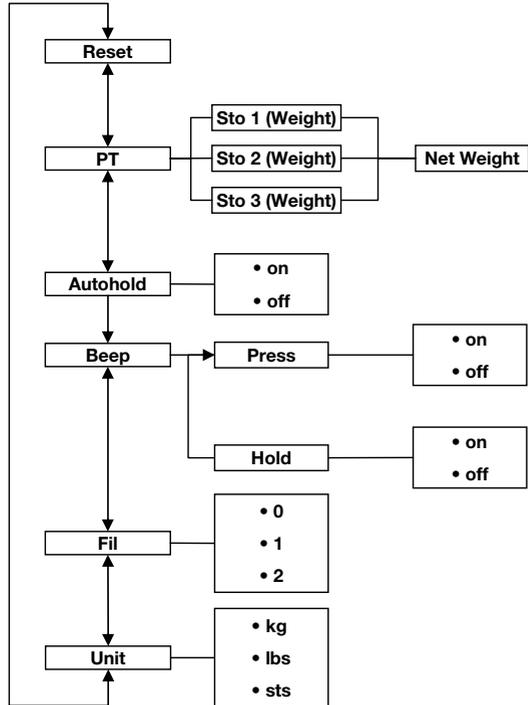
Switching off the scale



◆ Press the Start key.

6.2 Other functions (menu)

Other functions are available to you in the menu for the scale. This enables you to configure the scale to suit your conditions of use perfectly.



Navigating in the menu



1. Switch on the scale.
2. Keep arrow key (**bmi/menu**) pressed until the menu is called up.

The last menu item selected (in this case: auto hold "Ahold") appears in the display.

3. Press one of the arrow keys until the desired menu item appears in the display (in this case: filtering "Fil").
4. Confirm your selection with Enter (**Enter**).
The current setting for the menu item or a submenu are displayed (in this case: level "0").



- To amend the setting or call up a different sub-menu, press one of the arrow keys until the desired setting (in this case: level "2") is displayed.
- Confirm the setting with Enter (**Enter**). You exit the menu automatically.
- To make more settings, call up the menu again and proceed as described.

NOTE

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

Deleting saved values automatically (AClr)



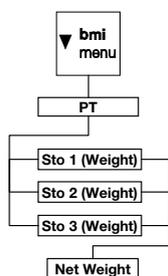
To prevent current measurement results remaining in the memory of the device and leading to an incorrect BMI calculation, you can set the scale so that measurement results are automatically deleted after 5 minutes.

NOTE

This function is activated at the factory on some models. You can deactivate the function if desired.

- Select the item "AClr" from the menu.
- Confirm your selection.
- Select the desired setting:
 - on
 - off
- Confirm your selection. You exit the menu automatically.

Permanently saving the additional weight (Pt)



This function is suitable for patients who are not mobile and who will have to be weighed in a wheelchair, for example. You can save the tare weight of the wheelchair independently of a weighing operation. You can call up the tare weight of the wheelchair during the weighing operation and have it deducted from the measured result automatically.

The device has three memories for weights. You can save various weights and call them up individually depending on the initial situation, so that they are automatically deducted from the measurement result.



1. Select the item "Pt" from the menu.
The message "Pt" appears.
2. Confirm your selection.
The last memory used is displayed.
3. You can adopt the memory displayed or select a different memory.
4. Confirm your selection.
Arrows flash in the display.
The additional weight saved to the selected memory is displayed.
5. You can adopt the saved value or amend it using the arrow keys.

NOTE

When you enter the value "0", the function is switched off. The message "Pt" is no longer displayed.

6. Confirm your selection.
7. Wheel the patient onto the scales.
The patient's weight is displayed.
The saved additional weight has been deducted automatically.
8. To deactivate the function, select the item "Pt" from the menu again.
9. Confirm your selection.
The function is deactivated.
You exit the menu automatically.

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.

Activating the auto hold (Ahold) function

When you activate the auto hold function, the measurement result for every weighing operation continues to be displayed after the weight has been removed from the scale. It is then no longer necessary to activate the Hold function manually for each individual weighing operation.

NOTE

This function is activated at the factory on some models. You can deactivate the function if desired.

AHOLD

On

1. Select the item "Ahold" from the menu.
2. Confirm your selection.
The current setting is displayed.
3. Select the desired setting:
 - on
 - off
4. Confirm your selection.
You exit the menu automatically.

Activating beeps (BEEP)

You can set whether a beep is heard every time a key is pressed and when a stable weight value is achieved. The latter is significant for the Hold/auto hold function.

NOTE

The "Beep when weight is stable" function is activated at the factory. You can deactivate this function if desired.

BEEP

PrESS

On

1. Select the item "BEEP" from the menu.
2. Confirm your selection.
3. Select a menu item.
 - Press: beep when key is pressed
 - Hold: beep when weight value is stable.
4. Confirm your selection.
The current setting is displayed.
5. Select the desired setting:
 - on
 - off
6. Confirm your selection.
You exit the menu automatically.
7. If you also want to activate beeps for the second function, repeat the process.

Setting filtering (Fil)

Filtering (Fil) allows you to reduce interference (e.g. as a result of patient movement) when determining weight.

FIL

FIL 0

1. Select the item "Fil" from the menu.
2. Confirm your selection.
The current setting is displayed.

3. Select a filtering level.
 - 0: no filtering
 - 1: moderate filtering
 - 2: high filtering
4. Confirm your selection.
You exit the menu automatically.

Switching 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.

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)
- **StS**: stones (sts)

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

Restoring factory settings (RESET)

You can restore the factory settings for the functions below.

Function	Factory setting
Auto hold (Ahold")	Model-dependent
Beep (Press)	Off
Beep (Hold)	On
Filtering (Fil)	0
Autoclear (Aclear)	Model-dependent
Pre-tare (Pt)	0 kg
Height for Body Mass Index (BMI)	170 cm
Unit of weight	kg

RESET

1. Select the item "Reset" from the menu.
2. Confirm your selection.
You exit the menu automatically.
3. Switch off the scale.
Factory settings are restored and are available when the scale is switched back on.

7. 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.

- Before each hygiene treatment, remove the mains cable to de-energize the device.
- 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.

7.1 Cleaning

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

7.2 Disinfecting

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
Prior to every measurement with direct skin contact	Weighing platform
After every measurement with direct skin contact	Weighing platform
If required	<ul style="list-style-type: none">• Display• Membrane keyboard

7.3 Sterilizing

The sterilisation of this device is not permitted.

8. FUNCTION CHECK

◆ Perform a function check before each use.

A complete function check includes:

- a visual inspection for mechanical damage
- a visual inspection and function check of the display
- 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, as a first step try to remedy the fault with the aid of the section entitled "Troubleshooting" from page 77.



CAUTION!

Bodily injury

If you find faults or deviations during the function check which you are unable to remedy with the aid of the section entitled "Troubleshooting" from page 77, you may not use the device.

- Have the device repaired by seca service or by an authorized service partner.
- Please see the section entitled "Servicing" on page 78.

9. TROUBLESHOOTING

Problem	Cause / Solution
No weight displayed with a load on the scale.	The scale has no power supply. - Check whether the scale is switched on.
0.00 does not appear before weighing.	A load was already on the scale before it was switched on. - Remove the load from the scale. - Switch the scale off and back on again.
One segment is illuminated either continuously or not at all.	The corresponding point has a fault. - Inform the service department.
The display "StOP" appears.	Maximum load has been exceeded. - Remove the load from the scale.
The display "tEMP" appears.	The ambient temperature of the scale is too high or too low. - Set up the scale in an ambient temperature between +10 °C and +40 °C. - Wait for around 15 minutes until the device has adapted to the ambient temperature.
The display "Er:X:11" appears.	The scale has too high a load or too high a load in one corner. - Take the load off the scale or distribute the weight more evenly. - Restart the scale.
The display "Er:X:12" appears.	The scale has been switched on with too high a load. - Remove the load from the scale. - Restart the scale.
The display "Er:X:16" appears.	The scale was caused to oscillate, the zero point could not be determined. - Restart the scale.

10.SERVICING

On leaving the factory, your seca scale has an accuracy of ± 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.

ATTENTION!

Incorrect measurements as a result of poor servicing

- Have servicing and repairs carried out exclusively by seca service or by an authorized service partner.
- You can find service partners in your area at www.seca.com or by sending an e-mail to service@seca.com.

11.TECHNICAL DATA

Technical data seca 674	
Dimensions of scale <ul style="list-style-type: none"> • Depth • Width • Height 	965 mm 890 mm 65 mm
Dimensions of weighing platform <ul style="list-style-type: none"> • Depth • Width • Height 	965 mm 800 mm 65 mm
Net weight	approx. 26 kg
Temperature range <ul style="list-style-type: none"> • Operation • Storage • Transport 	+10 °C to +40 °C / +50 °F to 104 °F -10 °C to +65 °C / +14 °F to 149 °F -10 °C to +65 °C / +14 °F to 149 °F
Air pressure <ul style="list-style-type: none"> • Operation • Storage • Transport 	700-1060 hPa 700-1060 hPa 700-1060 hPa
Humidity <ul style="list-style-type: none"> • Operation • Storage • Transport 	30 % - 80 % no condensation 0 % - 95 % no condensation 0 % - 95 % no condensation

Technical data seca 674	
Height of digits	25 mm
Power supply	Power pack
Power consumption	approx. 20 mA
Medical device in accordance with Directive 93/42/EEC	Class I with measuring function
EN 60601-1: <ul style="list-style-type: none"> • insulated device, protection class II • electrical medical device, type B 	
Maximum load	360 kg / 800 lbs / 57 sts
Minimum load	2.0 kg
Increments	50 g / 0.1 lbs
Tare range	360 kg / 800 lbs / 57 sts
Accuracy <ul style="list-style-type: none"> • 0 to 67 kg • 67 kg to maximum load • 0 to 147.7 lbs • 147.7 lbs to maximum load • 0 to 10.55 sts • 10.55 sts to maximum load 	<ul style="list-style-type: none"> ±100 g ±0.15 % ±0.2 lbs ±0.15 % ±0.2 lbs ±0.15 %

12. OPTIONAL ACCESSORIES

Spare parts	Article number
Access ramp	470-00-00-009

13. SPARE PARTS

Spare parts	Article number
Power pack with Euro-connector: 230 V~ /50 Hz/12 V= / 130 mA	68-32-10-252
Switchmode power pack with adapters: 100 - 240 V~ / 50 -60 Hz / 12 V= / 0.5 A	68-32-10-265

14. DISPOSAL



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. For further information contact our service department at:

service@seca.com

15. 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 direct in the case of warranty claims.



Declaration of conformity

The non-automatic personal scales

seca 674

Model: 674-13-21-004

The scales comply with the applicable requirements of
the following directives:
93/42/EEC governing medical devices.

Hamburg, March 2013



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