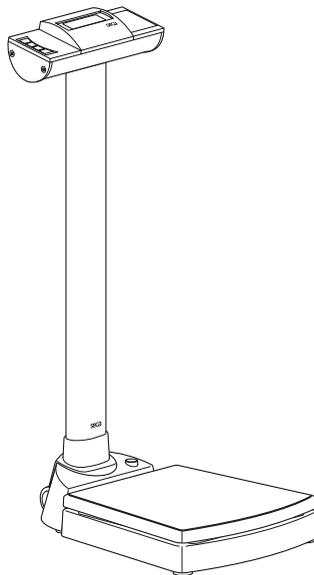


# seca 703



<b>D</b>	<b><i>Bedienungsanleitung und Garantieerklärung</i></b>	<b>2</b>
<b>GB</b>	<b><i>Instruction manual and guarantee</i></b>	<b>14</b>
<b>F</b>	<b><i>Mode d'emploi et garantie</i></b>	<b>26</b>
<b>I</b>	<b><i>Manuale di istruzioni e garanzia</i></b>	<b>38</b>
<b>E</b>	<b><i>Manual de instrucciones y garantía</i></b>	<b>50</b>
<b>P</b>	<b><i>Instruções de utilização e declaração de garantia</i></b>	<b>62</b>

# 1. Congratulations!

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By purchasing the **seca 703** electronic personal scale, you have acquired a highly-accurate and sturdy piece of equipment.

seca has been putting its experience at the service of health for over 150 years now, and as market leader in many countries of the world, is always setting new standards with its innovative developments for weighing and measuring.

In accordance with national regulations, the **seca 703** electronic personal scale is used primarily in hospitals, doctors' surgeries and in-patient nursing facilities.

The weight display can be switched between kilogrammes (kg), pounds (lbs) and stones (sts). Weight is determined within a few seconds.

In addition to the conventional determination of weight, the **seca 703** also has a function for determining body mass index. For this purpose, height is entered on the keypad and the body mass index associated with the weight value is output.

The **seca 703** can be moved on castors, and its low power consumption means that it can be used on a mobile basis with batteries for long periods.

## 2. Safety

---

Before using the new scale, please take a little time to read the following safety instructions.

- Follow the safety instructions in the instruction manual.
- Keep the operating instructions and the declaration of conformity in a safe place.
- Do not drop the scale or subject it to violent shocks.
- Have scale serviced on a regular basis (see "Servicing" on page 23).
- Have repairs carried out exclusively by authorised persons.
- Use only the type of battery stated (see "Changing the batteries" on page 23).
- When using the scale with a mains unit, ensure that the supply cable is routed in such a way as to exclude any type of tripping hazard.

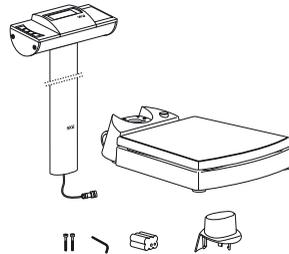
# 3. Before you start...

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## Unpacking

The scope of supply includes:

- Weighing platform
- Column with display head
- Column socket
- 1 WAF 5 Allen key
- 2 Screws
- Battery holder containing 6 mignon-type AA 1.5 V batteries
- 1 set of operating instructions



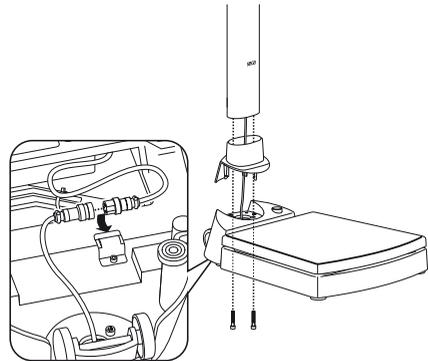
## Fitting the column

The column with the LCD display can be fitted in two positions, allowing you to determine in which direction the display is legible - facing either towards or away from the platform.

- Push the column socket onto the column.
- Place the column in the recess, facing it in the desired direction.
- Screw the column to the weighing platform from underneath.

If necessary, lay the scale carefully on its side to tighten up the screws.

- Connect the plugs of the display cable on the underside of the weighing platform as shown in the illustration.
- Fix the plugs in the cable guide.
- Then place the scale upright again.
- Push the column socket right down until it engages in the weighing platform.



## Power supply

The scale is generally powered by batteries.

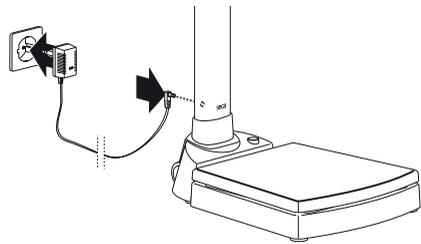
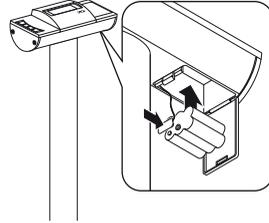
The LC display has a low power consumption – 16.000 weighing operations can be performed with one set of batteries.

- Push the battery compartment closure towards “Battery” and open the cover.
- Connect the cable to the holder and batteries.
- Place the holder in the battery compartment.
- Close the cover.

**Note: the scale is prepared for use with a seca mains unit which is available as an accessory.**

- The socket for connecting the mains unit is located at the bottom of the column.

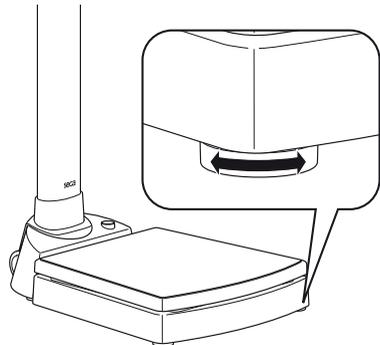
**Note: the mains unit can also be used with the batteries in place without the scale or batteries being damaged.**



## 4. Setting up and aligning the scale

---

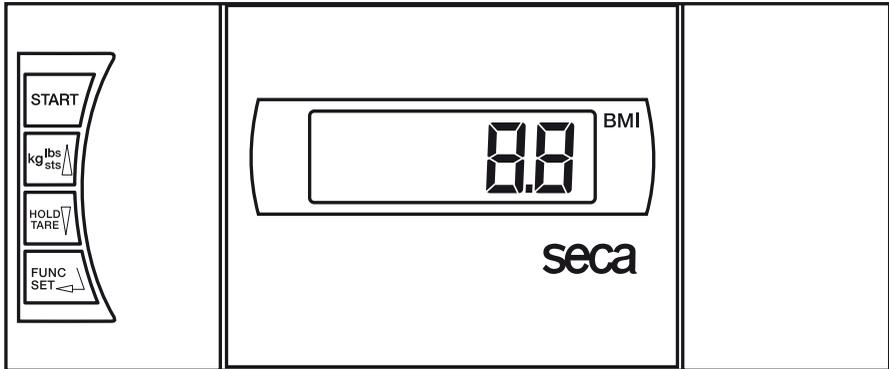
- Place the scale on a level surface.
- Align the scale by using the foot screws. The scale must stand securely with all four feet on the ground.



# 5. Operation

## Controls and displays

The controls and display are in the display part.



Switch scale on and off



press briefly → switch between kg and lbs  
hold down → switch between kg and sts  
in function menu → increase value



press briefly → activate hold function  
hold down → set display to zero, activate/deactivate tare function  
in function menu → decrease value



Activating the BMI function, Confirmation

## Correct weighing

- Press the Start key with no load on the scale.  
**SECA**, **88888** and **00** appear consecutively in the display. The scale is then automatically set to zero and ready to use.
- If necessary, switch the weight display (see page 18).
- Stand on the scale and keep still.
- Read the weighing result off the digital display.
- If a load greater than 250 kg or 550 lbs is placed on the scale, **StOP** appears in the display.



## Switching the weight display

The weight display can be switched between kilogrammes (kg) and pounds (lbs) or between kilogrammes (kg) and stones (sts).

- Switch on the scale using the green Start key. Weight is initially displayed in the last setting selected.
- To switch the weight display between kilogrammes and pounds, press the **kg/lbs/sts** key.
- The **kg** or **lbs** display lights up.
- To switch weight display between pounds and stones, hold down the **kg/lbs/sts** key for approx. 2 seconds. The **lbs** or **sts** display lights up.



## Automatic switch-off/economy mode

The scale automatically detects whether it is being operated on rechargeable batteries alone or whether it is connected to the mains.

- With rechargeable battery operation: automatic shut-down after 30 seconds.
- With mains operation: shut-down only via keypad.

## Taring weight display (TARE)

The tare function is very useful, for example for determining the weight of a child, animal or other object placed on the scale in addition to yourself.

Proceed as follows:

- Press the Start key with no load on the scale.



- First stand on the scales yourself without the additional weight and activate the Tare function by depressing and holding the **HOLD/TARE** key.



The display is reset to zero, **0.0** flashes in the display until weight is detected to be stable. Only then is the Tare function fully activated. The note "NET" appears.



- Now take the additional load onto the scale. You can leave the scale to do so, in which case **----** appears.

The scale determines the weight of the additional load. You can now perform as many weighing operations as you like.

- Hold the key down again to deactivate the Tare function; the scale is then back in normal weighing mode and the tare value has been erased.
- The tare value is likewise erased by the scale being switched off.



## Store weight value (HOLD)

You can also continue displaying the weight determined once the load has been removed. This makes it possible to look after a patient first, before having to note the weight:

- Press the **HOLD/TARE** key whilst the load is on the scale.



“HOLD” appears in the digital display. The value remains saved in the display until the hold function is automatically switched off.



- The HOLD function can be switched off by pressing the **HOLD** key again.



**0.0** appears in the display if the scale has no load on it, otherwise the current weight. The “HOLD” display vanishes.

### Note:

**The HOLD and TARE functions can also be used simultaneously.**

## Body Mass Index (BMI)

Body Mass Index puts height and weight in relationship to one another, providing more accurate information than ideal Broca weight, for example. A tolerance range is given which is considered ideal for health.

- Press the Start key with no load on the scale.



**SECA**, **88888** and **0.0** appear consecutively in the display. The scale is then automatically set to zero and ready for operation.

- Press the **FUNC** key.  
On the display, you will see the last height entered.



- You can use the arrow keys to adjust the value in increments according to the graduations displayed.

- Once the correct value is set, press the **FUNC** key again. The BMI function is now activated.



- Step on the scale and keep still.
- Read off the BMI on the digital display and compare it with the categories on page 21.

- Press an arrow key if you would like to see the weight briefly.



- To return to normal weighing mode, press the **FUNC** key.



- To switch off the scale, press the Start key again.



## Evaluating Body Mass Index for adults:

Compare the value determined with the categories quoted below which correspond to those used by WHO, 2000.

- **BMI below 18.5:**  
Warning, this patient weighs too little. There could be a tendency to anorexia. An increase in weight is recommended to improve well-being and performance. If in doubt, consult a specialist.
- **BMI between 18.5 and 24.9:**  
The patient is of a normal weight. He can stay as he is.
- **BMI between 25 and 30 (pre-obese):**  
The patient is slightly to moderately overweight. He should cut his weight if he is already ill (e.g. diabetes, hypertension, gout, fat metabolism disorders).
- **BMI over 30:**  
Weight reduction is essential. Metabolism, cardiovascular system and bones are all under strain. A consistent diet, plenty of movement and behavioural training are all recommended. If in doubt, consult a specialist.

## 6. Cleaning

---

Clean the rubber surface and the housing as required using a domestic cleaning agent or commercially-available disinfectant. Follow the manufacturer's instructions.

Under no circumstances use abrasive or acid cleaners, white spirit, benzene or the like for cleaning. Such substances can damage the high-quality surfaces.

## 7. What do I do if...

---

### ... no weight display comes on?

- Is the scale switched on?
- Check the batteries.
- Is the plug contact for connecting the display to the scale correctly connected?

### ... 0.0 does not appear before weighing?

- Switch off the scale with the Start key and start the scale again – there must not be any load on the scale – and only its feet should be in contact with the floor.

### ... one segment is illuminated constantly or not at all?

- The relevant segment has a fault. Inform Servicing.

### ... the display shows ?

- Battery voltage is running low. Change the batteries in the next few days.

### ... bAtE appears in the display?

- Batteries are empty. Put in new batteries.

### ... 5tOP appears in the display?

- Maximum load has been exceeded.

### ... the display flashes?

- If you have just activated the Hold or Tare function, please wait until the scale has detected a steady weight value. The display will then stop flashing.
- If there has been no activation of a function beforehand, remove the load from the scale and wait until 0.0 is displayed, then weigh again.

### ... the display tENP appears?

- The ambient temperature of the scale is too high or too low. Place the scale in an ambient temperature between +10 °C and +40 °C. Wait about 15 minutes for the scale to adapt to the ambient temperature and then weigh again.

### ... the display E and a number appear?

- Switch off the scale with the Start key and start the scale again. The scale will then work normally again.

If this is not the case, disconnect the power supply by briefly removing the batteries. If this measure is equally unsuccessful, inform the Service department.

## 8. Servicing

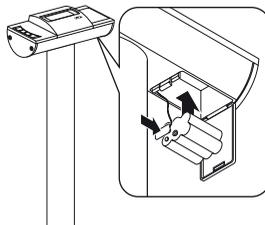
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Your seca scale leaves the factory with an accuracy greater than  $\pm 0.15\%$ . To ensure that this accuracy is maintained, the product must be carefully set up and regularly maintained. Depending on the frequency of use, we recommend servicing every 3 to 5 years. Please ensure that a qualified service agent is used. If in doubt, contact seca Customer Service for further information.

### Changing the batteries

When  or **bAtE** appear in the display, you should change the batteries. You need 6 type AA 1.5 V batteries.

- Push the battery compartment closure towards “Battery” and open the cover.
- Take out the holder and batteries.
- Remove the used batteries and insert new batteries in the holder.



### Check that the polarity is correct.

- Place the holder and batteries in the battery compartment.
- Close the cover.

## 9. Technical data

---

**Maximum load** 250 kg / 550 lbs / 39 sts

### Graduations

0 up to 250 kg: 0.1 kg

up to 550 lbs: 0.2 lbs

### Dimensions scale

width: 360 mm / 14.2 ins

height: 930 mm / 36.6 ins

depth: 520 mm / 20.5 ins

### Dimensions weighing platform

width: 350 mm / 13.8 ins

height: 84 mm / 3.3 ins

depth: 360 mm / 14.2 ins

**Height of figures** 20 mm

**Weight** approx. 16 kg

**Temperature range** +10 °C to +40 °C

**Batteries** 6 type AA 1.5 V batteries

**Power supply** Battery/  
mains unit (option)

**Power consumption** approx. 25 mA

**EN 60 601-1:**

Insulated equipment, Protection Class II:   
medical electrical equipment type B: 

**Accuracy**greater than  $\pm 0.15\%$  /  $\pm 100$  g**Functions**Switch between units, Tare, Hold  
Body Mass Index

## 10. Spare parts and accessories

---

### Measuring rods

Material: hard-anodised aluminium, slide with lockable measuring tab

**seca 220 telescopic measuring rod**

seca model 220-18-14-004

seca model 220-17-14-004:

(double graduations):

Measuring range: 890 - 2000 mm,

Measuring range: 890 - 2000 mm and  
35 " - 78 3/4 ",

Graduations: 1 mm

Graduations: 1 mm and 1/8 "

### Power supply

**Model dependent mains unit**

Plug-in mains unit, Euro: 230V~ / 50Hz / 12V= / 130mA

seca spare part no.: 68-32-10-252

Desk-top mains unit, switchable, Euro: 115V~ / 230V~ / 50-60Hz / 9V= / 350mA

seca spare part no.: 68-32-10-243

Plug-in mains unit, USA: 120V~ / 60Hz / 12V= / 150mA

seca spare part no.: 68-32-10-259

**Attention!**

Use only seca original plug-in mains units with 9 V or controlled 12 V output voltage. Commercially-available mains units may supply a higher voltage than stated and thus lead to damage to the scale.

# 11. Disposal

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## Disposing of the device



Do not dispose of the device in domestic waste. The device must be disposed of properly as electronic waste. Follow the national regulations which apply in your case. For further information, contact our service department at:

**service@seca.com**

## Batteries

Do not throw used batteries away in domestic waste. Dispose of batteries at collection points in the vicinity. When buying new batteries, select those low in harmful substances and containing no mercury (Hg), cadmium (Cd) or lead (Pb).

# 12. Warranty

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A two-year warranty from date of delivery applies to defects attributable to poor materials or workmanship. All moveable parts - batteries, cables, mains units, rechargeable batteries etc. - are excluded. Defects which come under warranty will be made good for the customer at no charge on production of the receipt. No further claims can be entertained. The costs of transport in both directions will be borne by the customer should the equipment be located anywhere other than the customer's premises. In the event of transport damage, claims under warranty can be

honoured only if the complete original packaging was used for any transport and the scale secured and attached in that packaging just as it was when originally packed. All the packaging should therefore be retained.

A claim under warranty will not be honoured if the equipment is opened by persons not expressly authorised by seca to do so.

We would ask our customers abroad to contact their local sales agent in the event of a warranty matter.