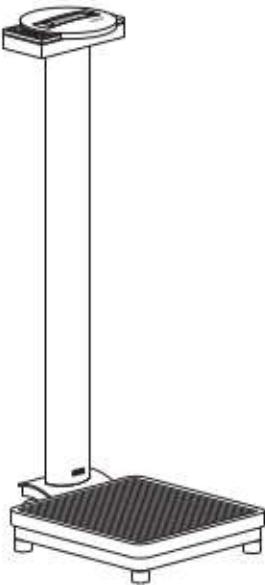


## seca 769



# 1. Signed and sealed

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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. Safety

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

- Follow the instructions in the instructions for use.
- Keep the operating instructions and the declaration of conformity in a safe place.
- Do not drop the scale or subject it to violent shocks.
- Use only the type of battery stated (see "Changing the batteries" on page 19).
- Have scale serviced and re-calibrated on a regular basis (see chapter entitled "Maintenance" on page 19).
- Have repairs carried out only by authorised persons.

### **3. Before you start...**

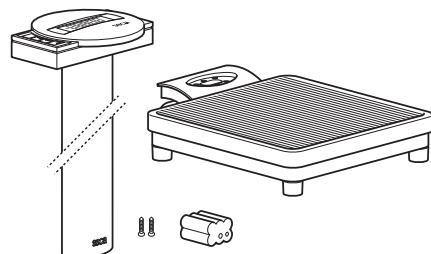
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#### **Unpacking**

- Remove the packaging and place the scale on a firm, level surface.

The scope of supply includes:

- Weighing platform
- Column with display head
- 2 mounting screws
- Compartment with batteries

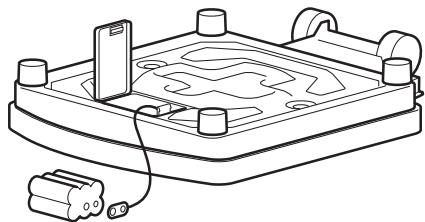


#### **Power supply**

The scale is generally powered by batteries.

The LC display has a low power consumption – 10,000 weighing operations can be performed with one set of batteries.

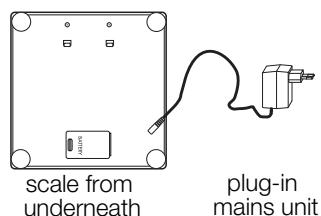
- Carefully turn over the scale so that the base of the scale is accessible.
- Push the battery compartment closure towards "Battery" and open the cover.
- Connect the cable to the holder and batteries.
- Place the holder in the battery compartment.
- Close the cover and then turn the scale back up the right way.



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

The connection socket for the mains unit is in the base of the scale.

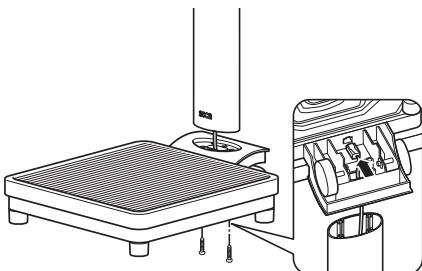
**Note: the mains unit can also be used with the batteries in place without the scale or batteries being damaged.**



## Fitting the column

The column and display head are fitted to the weighing platform.

- Guide the connecting cable through the opening.
- Place the column in the recess. The display should be legible for people standing on the scale.
- 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 plug of the connecting cable to the rear of the scale.
- Then place the scale upright again.

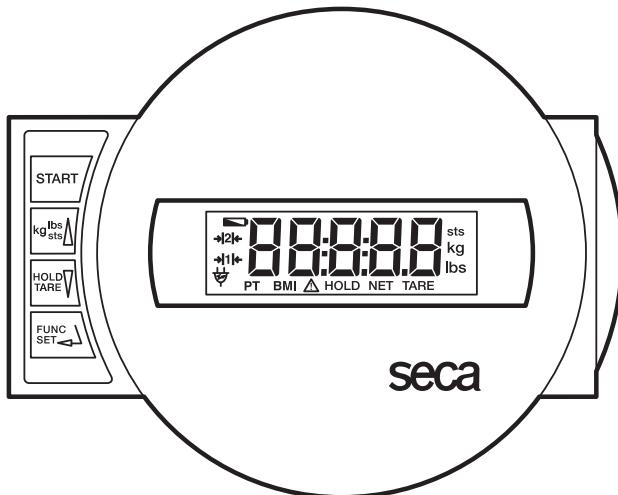


## 4. Operation

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### Controls and displays

The controls and the display are on the display head on the column.



Switch scale on and off



press briefly → switch between kg and lbs



hold down → switch between lbs and sts



in function menu → increase value



press briefly → activate/deactivate hold function



hold down → set display to zero, activate/deactivate tare function



in function menu → decrease value



Activation of BMI function and Enter key for input data

## Correct weighing

- Press the Start key with no load on the scale.
- SECR, 8.8888, and 0.0** 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 15).
- Stand on the scale and keep still.
- Read the weighing result off the digital display.
- If a load greater than 200 kg or 450 lbs is placed on the scale, **STOP** appears in the display.
- To switch off the scale, press the Start key again.



## 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 batteries or whether it is connected to the mains.

- Operation on batteries: 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** appears in the display. 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** key whilst the load is on the scale.  
"HOLD" appears in the digital display. The value is stored in the display until the scale switches off automatically after 3 minutes.
- 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.



## 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.



**SECR**, **88.88.8**, 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 change the value in 1 cm increments using the arrow keys.



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



- Ask the patient to mount the scale. Once on the scale, the patient should stand still.



- Read off the BMI on the digital display and compare it with the categories on page 17.



- 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.

## 5. Cleaning

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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.

## 6. What do I do if...

---

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

- Is the scale switched on?
- Check the batteries.
- Is the plug contact on the scale properly connected??

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

- Press the Start key again – there must not be any load on the scale

### ... ---- appears instead of 0.0 before weighing?

- Press the Start key again – there must not be any load on the scale.

### ... 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.

### ... bAtt appears in the display?

- Batteries are empty. Put in new batteries.

### ... STOP 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 E and XX.XX 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.

## 7. Maintenance

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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.

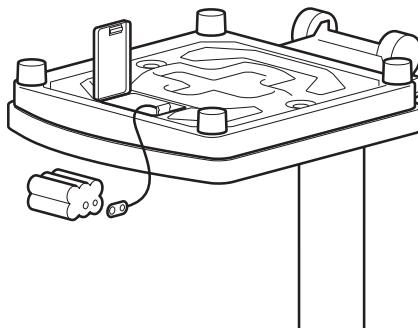
### Changing the batteries

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

- Carefully turn over the scale so that the base of the scale is accessible.
- 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.
- Then turn the scale back up the right way.



## **8. Technical data**

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### Dimensions

width:	292 mm
height:	830 mm
depth:	390 mm

### **Height of figures**

Weight	approx. 6.8 kg
Temperature range	+10 °C to +40 °C
Power supply	Battery/mains unit (option)

### **Batteries**

#### **EN 60 601-1:**

Insulated equipment,  
Protection Class II:



medical electrical equipment type B:



Maximum load 200 kg/450 lbs/32 sts

Graduations 100 g/0.2 lbs

**Accuracy** greater than ± 0.15 %

**Functions** Switch between units, Tare, Hold  
Body Mass Index

## **9. Spare parts and accessories**

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### **Power supply**

#### **Model dependent mains unit**

Plug-in mains unit, Euro: 230V~ / 50Hz / 12V= / 150mA

seca no.: 68-32-10-252

Switchmode power adapter, 100-240V~ / 50-60Hz / 12V= / 0.5A

seca no. 68-32-10-265

#### **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.

# 10. 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](mailto: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).

# 11. 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.



Declaration of conformity

The non-automatic personal scales

**seca 769**



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

Hamburg, June 2015

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