

# seca 869 UK



# 1. Congratulations!

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By purchasing the **seca 869** 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.

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

In addition to the conventional determination of weight, the **seca 869** 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 scale is of a very sturdy construction and will give you long and loyal service. It is easy to operate and the large display is easy to read.

Its low power consumption means that with a set of batteries, the **seca 869** can be used on a mobile basis for long periods.

## 2. Safety

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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 manual and the declaration of conformity contained therein in a safe place.
- Use only the type of battery stated (see "Changing the batteries" on page 12).
- 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.
- Do not drop the scale or subject it to violent shocks.
- The cable between the weighing platform and the case must be laid so that it does not present a tripping hazard.
- Avoid pulling hard on the connecting cable to the display unit.
- Use the assembly material supplied.
- When assembling, ensure that screws are tight and that the rod has been assembled correctly (see "Fitting the wall bracket" on page 4).
- Have repairs carried out exclusively by authorised persons.
- Have scale serviced on a regular basis (see "Servicing" on page 11).

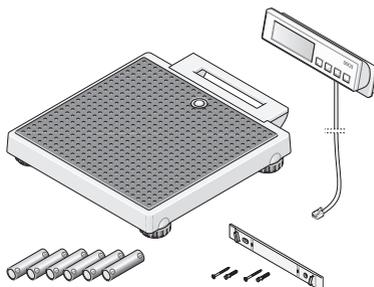
# 3. Before you start...

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

The scope of supply includes:

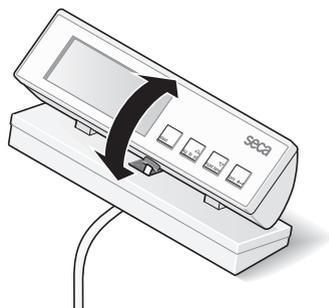
- Weighing platform
- Display head plus connecting cable
- Wall bracket
- 2 Screws
- 2 Rawlplugs
- 6 mignon-type AA 1.5 V batteries



## Desk-top stand

If you prefer, you can stand the display part rather than hang it on the wall:

Alter the angle of the display part to enable the display to be read most easily.



## Fitting the wall bracket

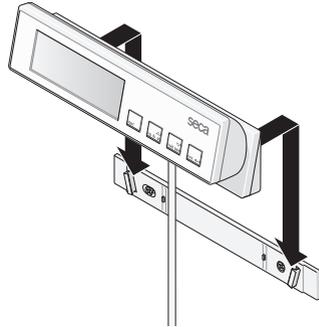
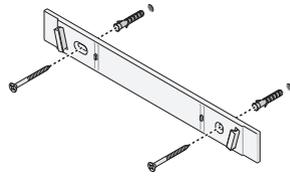
The display part is intended for mounting on the wall. Use the mounting material supplied to do so.

- Screw the wall bracket to the wall as shown.

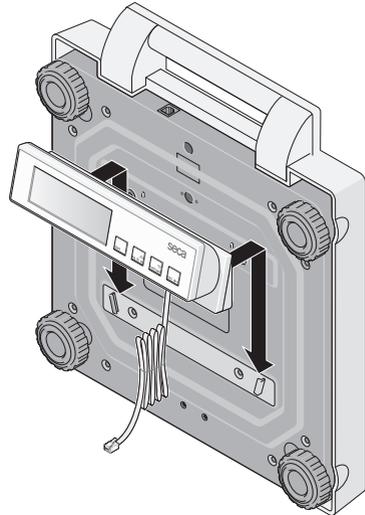
Be aware that you have a length of 2 m of cable between the scale and the display part.

The cable may not contact the weighing platform during weighing, as this might falsify the result.

- Push the display onto the wall bracket.



- If you want to change the location of the scale, take the display out of the wall bracket and push it into the bracket on the weighing platform to transport it.



## Power supply

The scale is generally powered by batteries.

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

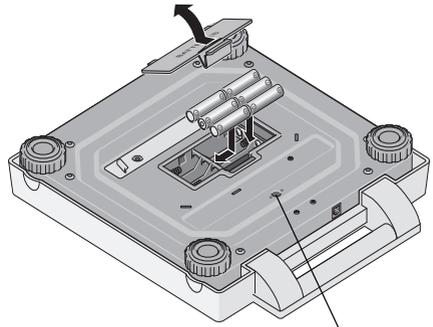
When  or **bAtE** appear in the display, you should change the batteries. You require 6 AA-type 1.5 V batteries.

- Carefully turn over the scale so that the base of the scale is accessible.
- Open the cover.
- Insert the new batteries in the battery compartment.

### Check that the polarity is correct!

- Close the cover.
- 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.**



Connection for mains unit

## Connecting the connecting cable to the weighing platform

The connecting cable of the display part is used to transmit digital data which are considerably less sensitive to interference than the otherwise conventional small analog measuring signals. Ageing and wear on the cable and on the plug contacts thus have no effect on the accuracy of the scale.

To make the connection, proceed as outlined below:

- Connect the cable of the display case to the socket under the carrying handle.
- Then place the scale upright again.

The cable may not contact the weighing platform during weighing, as this might falsify the result.



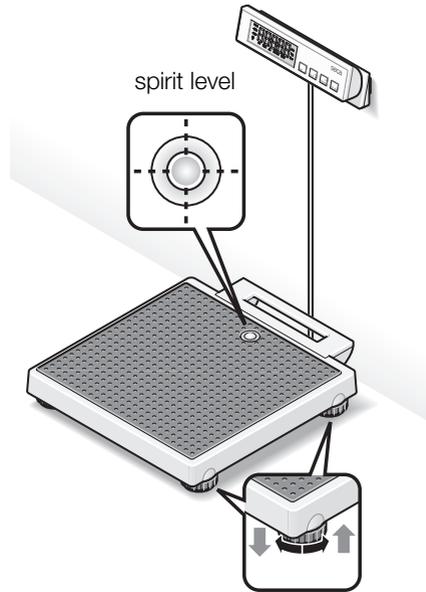
## Setting up and aligning the scale

The screwed feet can be used to level off any slight unevenness in the floor.

- Place the scale on a level surface.
- Align the scale by screwing the foot screws. The air bubble in the spirit level must be right in the centre of the circle.
- Ensure that only the feet of the scale are in contact with the floor. The scale may not be in contact at any other point.

### Important!

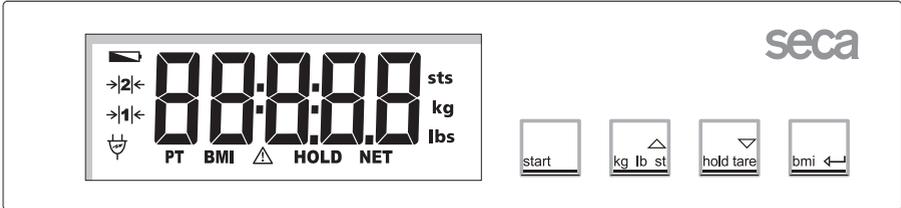
**The alignment of the base of the scale must be checked and corrected if necessary every time the location of the scale is changed.**



# 4. 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 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



Activating the BMI function, Confirmation

## Correct weighing

- Press the **start** key with no load on the scale.  
**SECA**, **00000** and **00** appear consecutively in the display. The scale is then automatically set to zero and ready for use.
- If necessary, switch the weight display (see page 8).
- Ask the patient to mount the scale. Once on the scale, the patient should stand still. The HOLD function is activated automatically at weights of over 1.5 kg. The display flashes until a stable weight has been measured. The display is then frozen until the next weighing operation. HOLD appears in the display.
- Read the weighing result off the digital display.



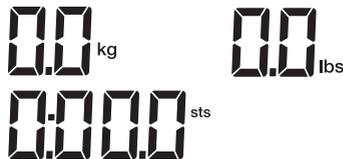
- Ask the patient to step off the scale.  
The weighing result has been erased.  
The scale is ready for the next patient.
- If a load greater than 250 kg, 550 lbs or 39 sts is placed on the scale, **STOP** appears in the display.
- To switch off the scale, press the **start** key again.



## Switching the weight display

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

- Switch on the scale using the **start** key.  
Weight is initially displayed in the last setting selected.
- To switch the weight display between kilogrammes and pounds, press the **kg lb st** key.
- The **kg** or **lbs** display lights up.
- To switch weight display between pounds and stones, hold down the **kg lb st** 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/non-chargeable batteries or whether it is connected to the mains.

- Operation on rechargeable/non-chargeable batteries: automatic shut-down after 3 minutes.
- 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 or an 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 tare** 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 function can also be used if the TARE function has been executed beforehand.**

## Body Mass Index (BMI)

Body Mass Index puts height and weight in relationship to one another.

- 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 **bmi** 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 **bmi** key again. The BMI function is now activated.
- Step on the scale and keep still.
- Read off the BMI on the digital display.
- To return to normal weighing mode, press the **bmi** key.
- To switch off the scale, press the Start key again.



## 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 and the printing.

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

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### ... 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?
- Is the plug contact of the mains unit properly connected to the scale?

### ... 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.

### ... **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. Servicing

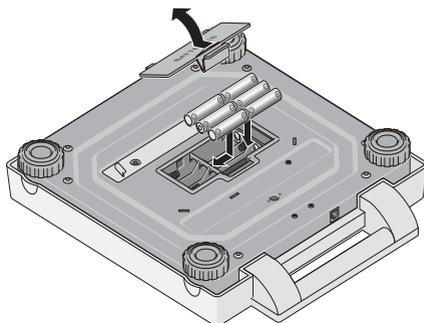
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Your seca scale leaves the factory with an accuracy greater than  $\pm 0.15\%$ . To ensure that this accuracy is maintained, the product must be carefully set up and regularly maintained. Depending on the frequency of use, we recommend servicing every 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.

- Carefully turn over the scale so that the base of the scale is accessible.
- Open the cover.
- Insert the new batteries in the battery compartment.



### Check that the polarity is correct!

- Close the cover.
- Then turn the scale back up the right way.

## 8. Technical data

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### Dimensions scale

width:	313 mm
height:	60-66 mm
depth:	315 mm

### Dimensions weighing platform

width:	205 mm
height:	55 – 75 mm
depth:	48 – 80 mm

<b>Height of figures</b>	20 mm
Weight	approx. 4.3 kg
Temperature range	+10 °C to +40 °C
Maximum load	250 kg / 550 lbs / 39 sts
Minimum load	2 kg / 4.4 lbs

### Power supply

- Batteries
  - Supply voltage 9 V
  - Battery type 6 x type AA, 1.5 V
- Optional mains unit (model-dependent)
  - Supply voltage 12 V
  - Insulated device, protection class II (EN 60601-1) 

**Power consumption** approx. 30 mA

### EN 60601-1:

medical electrical equipment type B:



**Accuracy** greater than  $\pm 0.15\%$

### Graduations

0 up to 150 kg:	100 g
150 kg up to 250 kg:	200 g
0 up to 550 lbs:	0.5 lbs
0 up to 39 sts:	0.5 lbs

### Functions

Switch between units, Tare, Hold  
Body Mass Index

## 9. Spare parts and accessories

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### Power supply

#### Model dependent mains unit

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.

### Accessories

#### Carrying case 421

seca no. 421 00 00 009

## 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 merchandise 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.

## 12. Declaration of conformity

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seca gmbh & co. kg hereby declares that the product meets the terms of the applicable European directives. The unabridged declaration of conformity can be found at: [www.seca.com](http://www.seca.com).





# Medical Measuring Systems and Scales since 1840

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