

# 1. Congratulations

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In the **seca 880/seca 881** electronic personal scale you have acquired a highly-accurate and at the same time sturdy piece of equipment.

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

The **seca 880/seca 881** electronic personal

scale is designed for private use and also for use in public institutions.

A special feature of the **seca 881** scale is the "mother-and-baby function". This enables the weight of babies and small children to be determined quite easily - in their mothers' arms.

On both models, weight display can be switched between kilogrammes (kg) and pounds (lbs).

The maximum load is 200 kg or 440 lbs.

# 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.
- Use only the type of battery stated (see „Changing the batteries“ on page 16).
- Do not drop the scale or subject it to violent shocks.
- Have repairs carried out only by authorised persons.

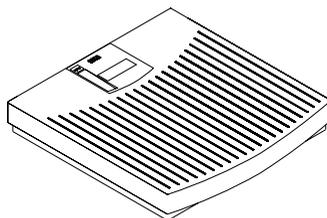
# 3. Before you start ...

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## Setting up the scale

The scale is fully assembled when dispatched.

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

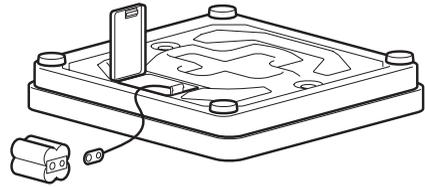


## Power supply

The scale is powered exclusively by batteries.

The LC display has a low power consumption - 120,000 weighing operations can be performed with one set of batteries. When the battery voltage is no longer adequate, **bAtE** appears in the display.

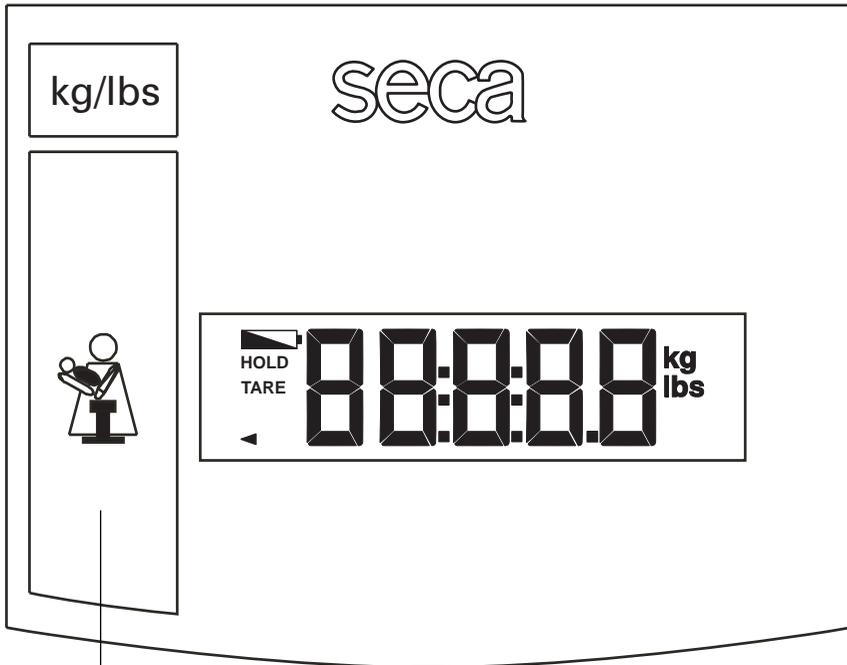
- Carefully turn over the scale so that the base is accessible.
- Press the closure of the battery compartment in the direction of "Batterie" and open the cover.
- The holder and batteries are supplied. Take the holder out of the packaging and connect the cable to it.
- Place the holder in the battery compartment.
- Close the cover and then turn the scale back up the right way.



## 4. Operation

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### Controls and displays



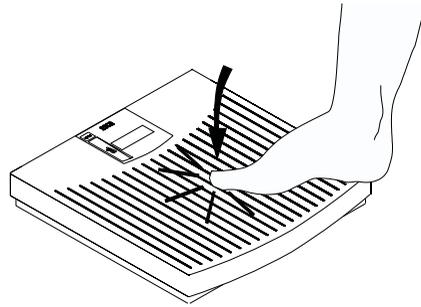
Mother-and-baby key only on the *seca 881*

## How to weigh properly

- The scale is fitted with a vibration switch. You need only step lightly onto the weighing platform to switch on the scale.

**SECA**, **88888** and **0.00** appear consecutively in the display. The scale is then automatically set to zero and ready for use.

- Switch weight display if required (see below)
- Step on the scale and keep still.
- Read off the weighing result on the digital display.
- If a load of over 200 kg or 440 lbs is put on the scale, **STOP** appears in the display.



## Automatic switch-off/stand-by mode

If no further weighing operations are performed, the scale switches off automatically after a certain time:

in normal mode:

after 20 seconds

with the mother-and-baby function switched on:

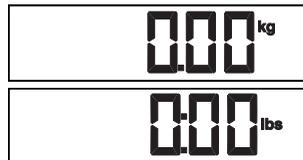
after 2 minutes

## Switching weight display

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

- Switch on the scale. The weight is first displayed in the last setting selected
- In order to display weight in kilogrammes, press the **kg/lbs** switch until **kg** appears in the display.
- To display weight in English units, press the **kg/lbs** switch until **lbs** appears in the display.

On the **seca 880**, weight is displayed in pounds (lbs) and on the **seca 881** in pounds and ounces (lbs:oz).



## Mother-and-baby function (seca 881 only)

The mother-and-baby function enables the body weight of babies and small children to be determined. The child is held in the arms of an adult. Proceed as follows.

- Switch on the scale.
- Wait until the display **0.00** appears.
- Stand on the scale without the child. You can read off the weighing result on the digital display.
- Now press the mother-and-baby key to activate the function.



The scale stores the weight of the adult and the display returns to zero. **0.00** and the display **TARE** appear in the display.

- Now take the child onto the scale. You can leave the scale to do this, in which case **----** appears in the display.



The scale determines the weight of the child. Once the value is stable for about 3 seconds, the display is retained. This avoids the display jumping about as a result of the child's movements.

**HOLD** and an arrow pointing to the mother-and-baby symbol also appear in the display.



**If several children are to be weighed consecutively, it is important that it is always the same adult who performs the measurement and that this person's weight does not change (e.g. due to a piece of clothing being removed).**

The mother-and-baby function remains switched on until

- you press the mother-and-baby key again (total weight is displayed).
- the scale switches off automatically.

## 5. Cleaning

Clean the outside of the scale as required using a domestic cleaning agent or a commercially-available disinfectant. Follow the manufacturer's instructions.

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

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### ... no weight is displayed when there is a load on the scale?

- Is the scale switched on?
- Check the batteries.

### ... the scale keeps switching on, while being transported, for example?

- The vibration switch has been activated by the movement of the scale. Due to the very low energy requirement of the scale, the service life of the batteries will not be impaired. For longer journeys, you can remove the batteries if necessary.

### ... the scale displays a weight after being transported or after new batteries have been put in?

- Wait until the scale switches off automatically after 2 minutes. The scale will then work normally again.

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

- Start the scale again after it switches off automatically - there should not be any load on the scale.

### ... - - - - appears instead of 0.00 before weighing?

- Start the scale again after it switches off automatically - there should 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.

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

- Batteries are empty. Put in new batteries.

### ... 5t0P appears in the display?

- Maximum load has been exceeded.

### ... the display flashes?

- Take the load off the scale and start the scale again. Wait until 0.00 appears and 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?

- Start the scale again after it switches off automatically. The scale will then work normally again. If this is not the case, inform Servicing.

## 7. Servicing

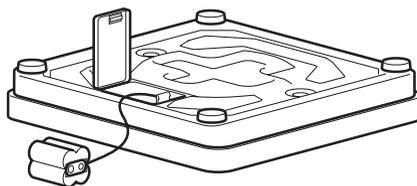
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Your seca scale leaves the factory with an accuracy greater than  $\pm 0.25\%$ . To ensure that this degree of accuracy is maintained, the product must be carefully set up and regularly serviced. Depending on frequency of use, we recommend servicing at intervals of 3 to 5 years. Please note that a qualified servicing agent should be used for this. If you are in doubt, seca Customer Service will give you more information.

### Changing the batteries

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

- Carefully turn over the scale so that the base of the scale is accessible.
- Push the cover of the battery compartment towards “Batterie” 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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<b>Maximum capacity</b>	200 kg /440 lbs (USA 400 lbs / 180 kg)
<b>Graduations</b>	
<b>seca 880</b>	
0 to 150 kg/0 to 330 lbs	0.1 kg/0.2 lbs
150 to 200 kg/330 to 440 lbs	0.2 kg/0.5 lbs
USA	
0 to 400 lbs / 0 to 180 kg	0.2 lbs / 100 g
<b>seca 881</b>	
0 to 50 kg/0 to 100 lbs	0.05 kg/2 oz
50 to 200 kg/100 to 440 lbs	0.1 kg/4 oz
USA	
0 to 100 lbs / 0 to 50 kg	2 oz / 50 g
100 lbs to 400 lbs / 50 to 180 kg	0.2 lbs / 100 g
<b>Accuracy</b>	greater than $\pm 0.25 \%$
<b>Size of digits</b>	16 mm
<b>Dimensions</b>	
Width:	310 mm
Height:	61 mm
Depth:	324 mm
<b>Weight</b>	approx. 4.7 kg
<b>Temperature range</b>	+10 °C to +40 °C

## 9. Disposal

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### 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).

### Disposing of the scale

If the scale can no longer be used, the responsible waste disposal association will be glad to advise you on the measures necessary to dispose of it properly.

## 10. 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.