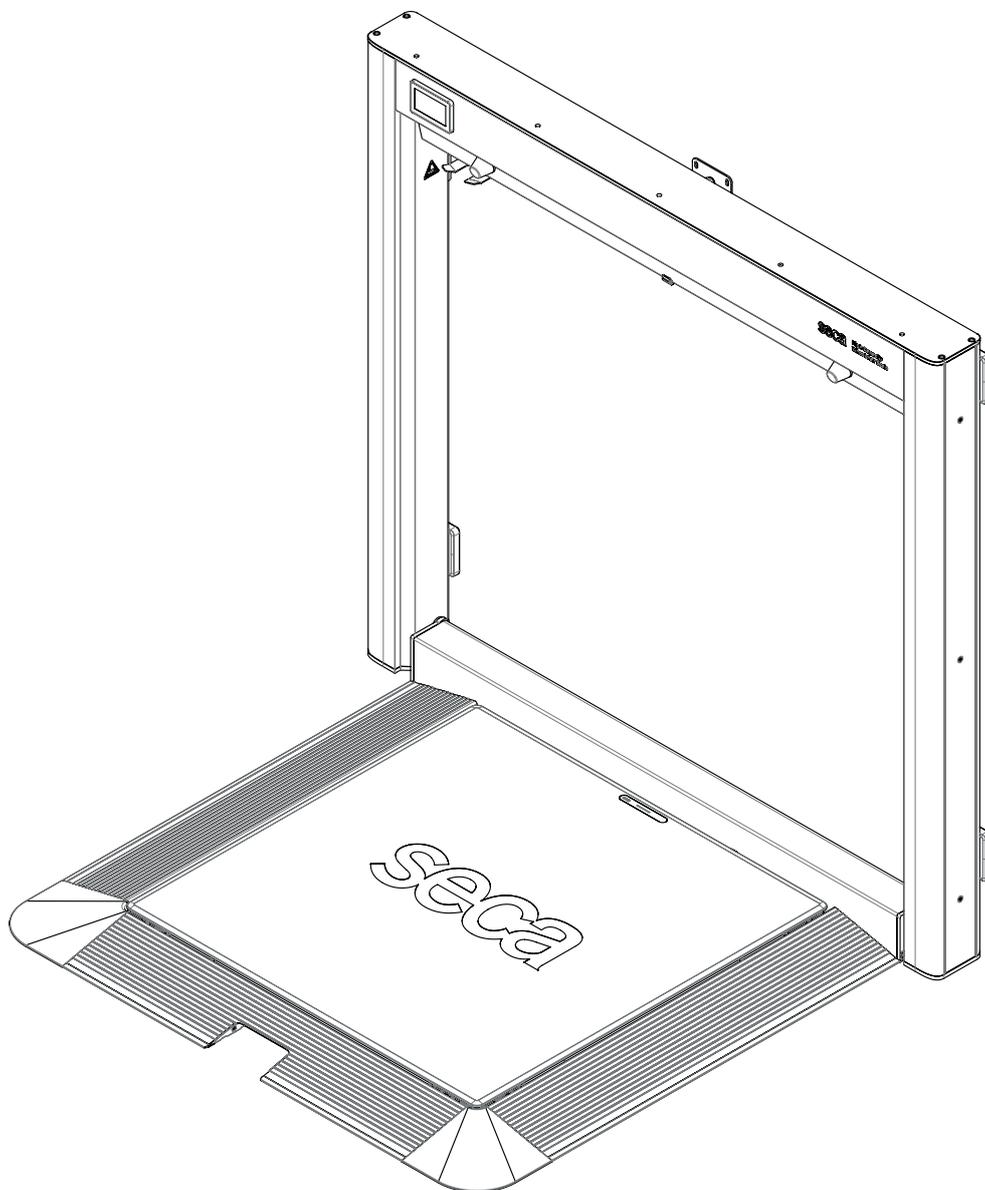


# seca 620

## Instructions for Use

17-10-06-655-002a\_2025-11S

Firmware version: 2.0



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# 1 ABOUT THIS DOCUMENT

## 1.1 Representation in text

Symbol	Description
✓	Requirement for actions
▶	Action
1. 2.	Actions with specified sequence
a) b)	Steps of an action with specified sequence
⇒	Result of an action
• •	First level of a list
– –	Second level of a list

## 1.2 Representation in diagrams

Symbol	Description
	Indicates relevant points on the device or on device components
	Indicates directions of movement of the device or of device components
	Correct action Correct result of action
	Incorrect action Incorrect result of action
	Points to the next step of a procedure
	Points to an element the user is clicking
	End of a procedure, e.g. the installation of a part

## 1.3 PDF version

The device menu contains a QR code which can be used to access the PDF version of these instructions for use and to load them e.g. onto your smartphone or tablet PC.

Further information is available here: → [Using the PDF version of the instructions for use \(QR code\), page 36](#)

## 2 DESCRIPTION OF DEVICE

### 2.1 Intended use

The electronic platform scale supports physicians in decision-making regarding diagnosis or therapy, based on weight or weight changes.

### 2.2 User qualification

<b>Assembly</b>	Devices shipped partly assembled may only be assembled by sufficiently qualified persons (such as specialist dealers, hospital technicians or seca Service technicians).
<b>Administration/network operation</b>	The device may only be set up and incorporated in a network by experienced administrators or hospital technicians.
<b>Measuring mode</b>	The device may only be operated by persons with formal training in the healthcare sector or in medicine.

### 2.3 Patient target group

Persons of any age (with the exception of babies) who

- do not exceed the maximum load capacity of the scale and
- sit in a wheelchair or
- can stand independently on the scale without any support.

### 2.4 Contraindications

No contraindications are known.

### 2.5 Clinical benefit

The electronic platform scale supports physicians in decision-making regarding diagnosis or therapy, based on the measured weight. By that, the platform scale only provides an indirect clinical benefit.

The physician must perform additional examinations for an accurate diagnosis.

### 2.6 Functional description

<b>Measuring weight/entering height</b>	Weight calculation is performed by four load cells. The measured results are shown on the multifunctional display. Height is entered manually. Body Mass Index (BMI) or Body Surface Area (BSA) are calculated automatically as soon as a height is entered.
<b>Network functions</b>	The device can be integrated into a PC network via a LAN interface or via WiFi. The <b>seca connect 103</b> software is required to set up this connection. The <b>seca connect 103</b> software receives measurement data from the device and forwards them to an EMR system.
<b>Compatibility</b>	<b>seca connect 103</b> software: Version 3.4 or higher, no downward compatibility

## 3 SAFETY PRECAUTIONS

### 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.

#### **NOTICE!**

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 measuring results may be incorrect.

#### **NOTE**

Includes additional information about use of the device.

### 3.2 Basic safety information

#### **Handling device**

- ▶ 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.
- ▶ In the interest of patient safety, you and your patients are obliged to report serious events that occur in connection with this product to the manufacturer and to the authority responsible in your country.



#### **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 connected to medical electrical 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 edition 3.1 of IEC 60601-1 respectively). Anyone connecting additional devices to medical electrical devices is considered a system configurator and therefore responsible for ensuring that the system complies with the requirements of standards for systems. This also applies to additional devices recommended by seca. 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.

 **CAUTION!**  
**Patient hazard, damage to device**

- ▶ 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 user-serviceable parts. Only have servicing and repairs performed by an authorized seca service partner. You can find your local service partner at [www.seca.com](http://www.seca.com).
- ▶ Use only seca original accessories and spare parts, otherwise seca will not grant any warranty.

 **CAUTION!**  
**Patient hazard, malfunction**

- ▶ Keep other medical electrical devices, e.g. high-frequency surgical devices, a minimum distance of approx. 1 meter away to prevent faulty measurements or wireless transmission interference.
- ▶ Keep HF devices such as cellphones at a minimum distance of approx. 1 meter to prevent faulty measurements or wireless transmission interference.
- ▶ The actual transmission output of HF devices may require minimum distances of more than 1 meter. For details, go to [www.seca.com](http://www.seca.com).

## Preventing electric shock

 **WARNING!**  
**Electric shock**

- ▶ Set up devices which can be operated with a power supply unit so that the power supply socket is within easy reach and the power supply can be disconnected quickly.
- ▶ Ensure that your local electricity supply matches the details on the power supply unit.
- ▶ Never touch the power supply unit with wet hands.
- ▶ Do not use extension cables and multiple outlets.
- ▶ Ensure that cables are not crushed or damaged by sharp edges.
- ▶ Ensure that cables do not come into contact with hot objects.
- ▶ Do not operate the device at an altitude of more than 3000 m above sea level.
- ▶ Only devices that are approved as medical devices and that have no separate power supply may be connected to the USB interface.

## Preventing injuries and infections

 **WARNING!**  
**Injury from falling**

- ▶ Ensure that the device is steady and level.
- ▶ Route connector cables (if present) so that neither users nor the patient can trip over them.
- ▶ Assist people with limited motor skills when they are getting up, e.g. from a wheelchair.
- ▶ Ensure that the patient does not step directly onto or off the edges of the weighing platform.
- ▶ Ensure that the patient steps onto and off the weighing platform slowly and safely.

 **WARNING!**  
**Danger of slipping**

- ▶ Ensure that the weighing platform is dry before the patient steps onto it.
- ▶ Ensure that the patient has dry feet before stepping onto the weighing platform.
- ▶ Ensure that the patient steps onto and off the weighing platform slowly and safely.

## Preventing damage to device



### **WARNING!**

#### **Risk of infection**

- ▶ Before and after every measurement, wash your hands to reduce the risk of cross-contamination and nosocomial infections.
- ▶ Should the patient have contagious diseases, subject the device to a hygiene treatment as described in the relevant section of these instructions for use immediately afterwards.
- ▶ Ensure that the patient does not have any open wounds or infectious skin alterations which may come into contact with the device.
- ▶ Subject the device to a hygiene treatment at regular intervals.

### **NOTICE!**

#### **Damage to device**

- ▶ Ensure that fluids never get inside the device. These can destroy the electronics.
- ▶ If the device is not to be used for an extended period, disconnect the power supply unit from the power supply socket. Only then is the device de-energized.
- ▶ Do not drop the device.
- ▶ Do not subject the device to shocks or vibrations.
- ▶ Perform a function check before each use as described in the corresponding section in this document. Do not operate the device if it is not working properly or is damaged.
- ▶ Do not place the device in direct sunlight and ensure that it is not placed in the direct proximity of a heat source. The excessive temperatures could damage the electronics.
- ▶ Use the device only in the intended ambient conditions.
- ▶ Do not use the device over 3000 m above mean sea level. Electronic components might become damaged.
- ▶ Store the device only in the intended storage conditions.
- ▶ Use only cleaning agents and disinfectants that match the details in the section entitled "Hygiene treatment".
- ▶ Ensure that maximum capacity is not exceeded.

### **NOTICE!**

#### **Damage to device**

- ▶ Do not store objects on the weighing platform.

## Handling measuring results



### **CAUTION!**

#### **Patient hazard**

To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters). Some devices have the option of displaying measuring results in different units. This is purely an additional function.

- ▶ Only use measuring results in SI units.
- ▶ The user takes sole responsibility for the use of measuring results in non-SI units.

### **NOTICE!**

#### **Inconsistent measuring results**

- ▶ Before you save and continue using measured values determined using this device (e.g. in seca software or in an EMR system), ensure that the measured values are plausible.
- ▶ If measured values have been sent to seca software or to an EMR system, ensure before continuing to use them that the measured values are plausible and assigned to the correct patient.

**Handling packaging material****WARNING!****Risk of suffocation**

Packaging materials made of plastic film (e.g. bags) present a risk of suffocation.

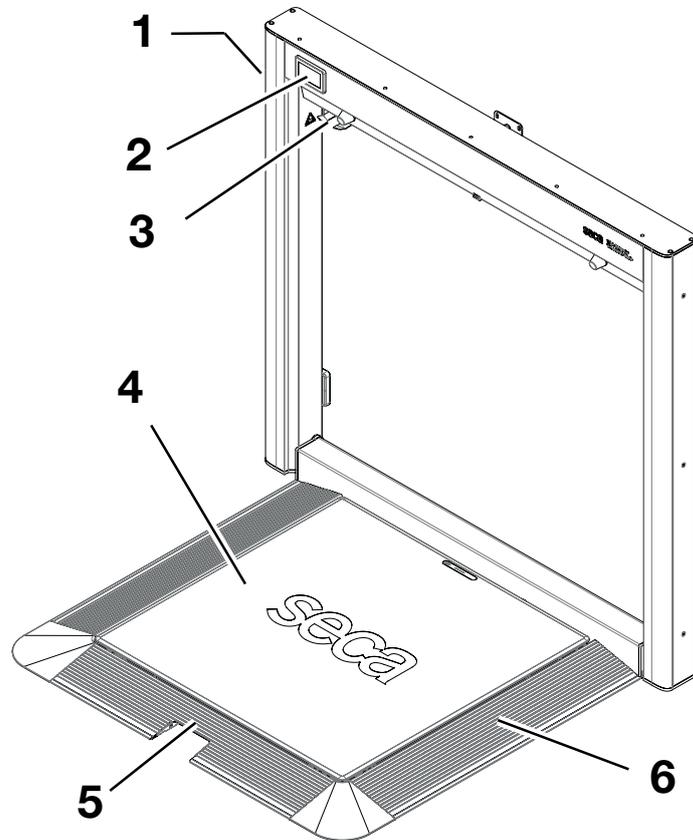
- ▶ Store packaging material out of the reach of children.
- ▶ If the original packaging material is no longer available, only use plastic bags with safety holes to reduce the risk of suffocation. Use recyclable materials if possible.

**NOTE**

Store the original packaging material for future use (e.g. returning for servicing).

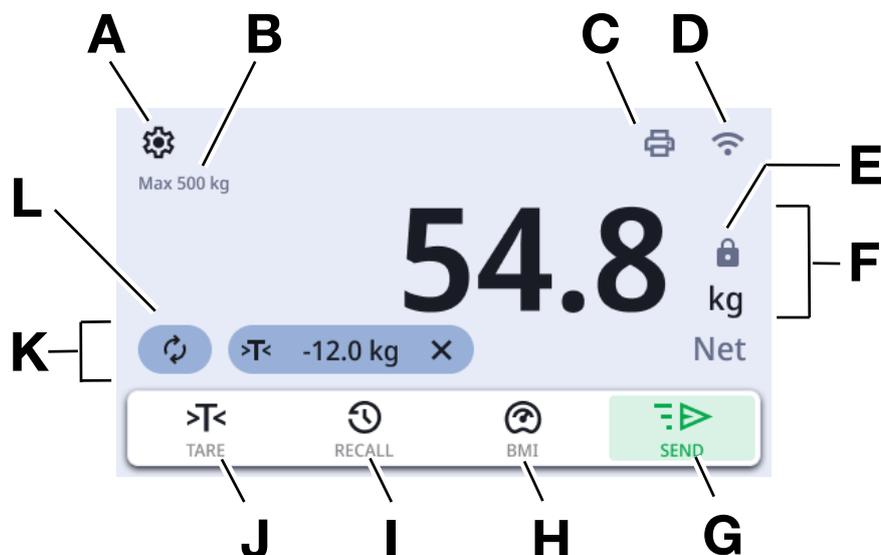
## 4 OVERVIEW

### 4.1 Controls



Item	Device component	Description
1	Connection panel	Used for power supply and data transmission (→ <a href="#">Interfaces, page 17</a> )
2	Multifunctional display	Central control and display element → <a href="#">Symbols on the display (main screen), page 11</a> → <a href="#">Symbols on the display (menu), page 13</a>
3	Bracket for barcode scanner	A barcode scanner facilitates configuration and operation of the device: <ul style="list-style-type: none"> <li>• Configuration: Define network data in the <b>seca connect 103</b> software and transfer them to the device using the QR code: → <a href="#">Setting up network functions, page 43</a></li> <li>• Operation: Record patient and user IDs to transmit the measuring results to an EMR system → <a href="#">Completing the measurement, page 33</a></li> </ul> Barcode scanners cannot be ordered via seca (see recommendation at <a href="http://www.seca.com">www.seca.com</a> )
4	Weighing platform	Record the patient's weight
5	Recessed handle	Used for folding the weighing platform up or down
6	Ramp frame	Used for accessing the scale with a patient handling aid

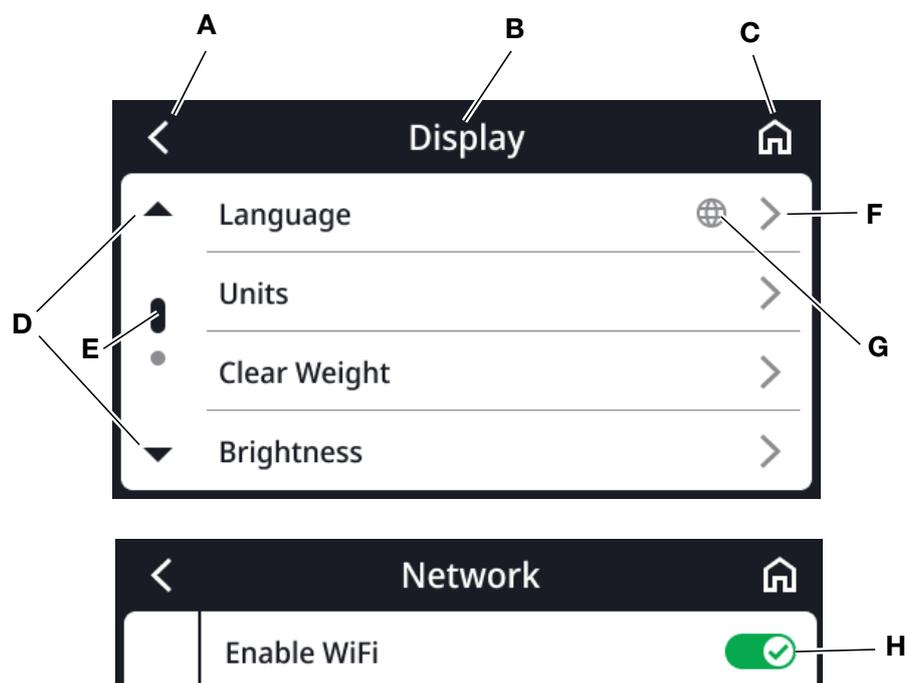
## 4.2 Symbols on the display (main screen)



Item	Display element	Description
A		Open menu (→ <a href="#">Configuration, page 35</a> )
B	Weighing technology data	Max: Maximum load
C		Simple Print is active: Device is set up for operation with a printer
		<b>Configuration Mode</b> active: Web server activated for further configurations
D		WiFi connection status display:
		<ul style="list-style-type: none"> <li> WiFi unavailable</li> <li> WiFi activated, no signal</li> <li> Signal very weak</li> <li> Signal weak</li> <li> Signal good</li> <li> Signal optimal</li> </ul>
		LAN connection status display:
		<ul style="list-style-type: none"> <li> not available</li> <li> deactivated</li> <li> activated</li> </ul>
		Hotspot active

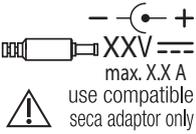
Item	Display element	Description
E		Requirements: Weighing platform has a load on it; <b>Autohold</b> function is active <ul style="list-style-type: none"> <li>: Weight value stable</li> <li>: Weight value not stable</li> </ul>
F	Weight display field	Weight in the following units: <ul style="list-style-type: none"> <li><b>kg</b>: Kilograms</li> <li><b>lbs</b>: Pounds</li> </ul>
G		<b>SEND</b> button <ul style="list-style-type: none"> <li> (Green symbol): When connected to an EMR system</li> <li> (White symbol): In standalone operation without function</li> </ul>
H		<b>BMI/BSA</b> button Switch Body Size Indicator: → <a href="#">Selecting BMI/BSA, page 39</a>
I		<b>RECALL</b> button: Display last value measured (→ <a href="#">Displaying last weight measured, page 25</a> )
J		<b>Tare Assistant</b> button: Deduct additional weights (→ <a href="#">Removing additional weights, page 25</a> )
K	Extended weighing functions active	<ul style="list-style-type: none"> <li><b>NET</b>: Tare function active</li> <li><b>&gt;T&lt;</b>: Deducted tare weight</li> <li><b>X</b>: Clear all tare weights</li> </ul>
L		Measure the current patient's weight once more

### 4.3 Symbols on the display (menu)



Item	Symbol	Description
A		Back to the higher menu level
B	<b>Header</b>	Indicates the current menu level
C		Back to the main screen
D		Select page in the menu
E		<ul style="list-style-type: none"> <li>Pages per menu level (here: 2)</li> <li>The current page is displayed (here: 1)</li> </ul>
F		<ul style="list-style-type: none"> <li>Submenu available</li> <li>Setting options available</li> </ul>
G		Keys with this symbol lead to the <b>Display\Language</b> menu item
H		Press: Activate/deactivate function <ul style="list-style-type: none"> <li> Function activated</li> <li> Function deactivated</li> </ul>

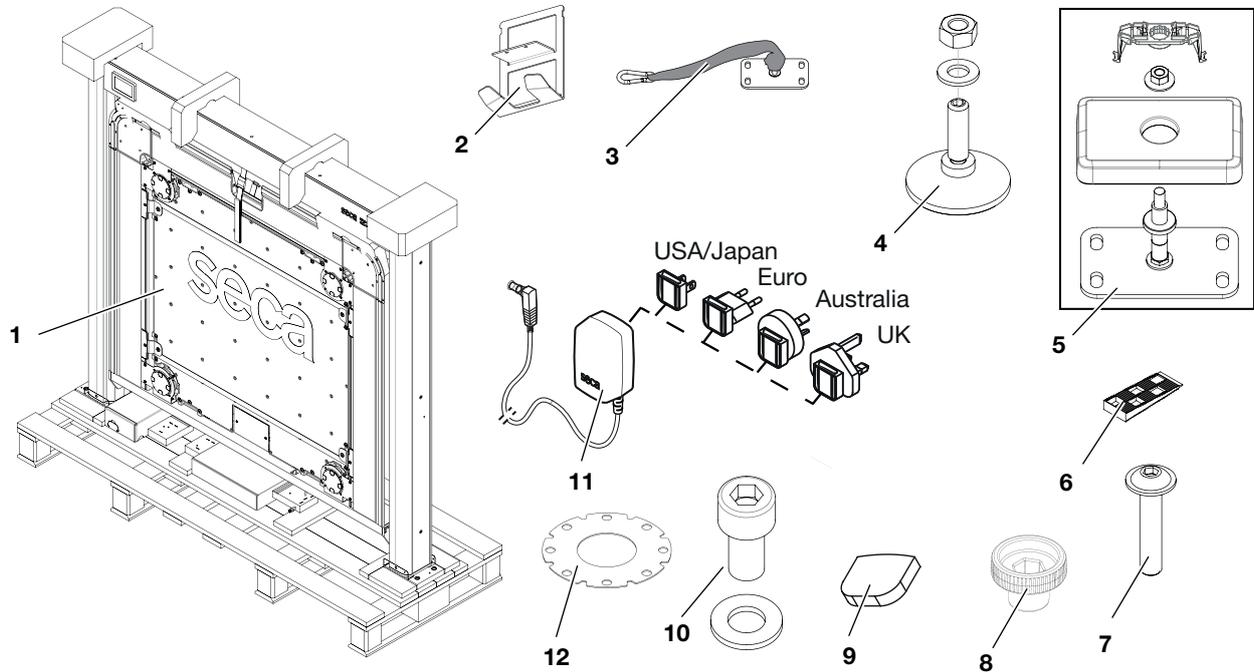
## 4.4 Labels

Markings on the device and on the type plate	
Text/symbol	Meaning
	Name and address of manufacturer, date of manufacture
UDI	Unique Device Identification (product identification number in accordance with Regulation (EU) 2017/745)
	Article number
	Serial number
ProdID	seca product identification number
Mat.No.	Variant number
 eIFU	Electronic instructions for use
	Medical electrical device, Type BF
IP21	Type of protection in accordance with IEC 60529: <ul style="list-style-type: none"> <li>• Protection against ingress of solid foreign bodies with a diameter of over 12.5 mm</li> <li>• Protection against access with fingers</li> <li>• Protection against dripping water</li> </ul>
d	Value in units of mass States the difference between two consecutive display values
	Device complies with EU directives <b>0123</b> : Notified Body for Medical Devices
	Medical device in accordance with Regulation (EU) 2017/745
	Device meets the requirements of the USA and Canada. Certified and tested by a licensing laboratory (NRTL) of TÜV SÜD Product Services GmbH.
	Symbol of the US Federal Communications Commission (FCC)
FCC ID	Device license number registered with the US Federal Communications Commission (FCC)
IC ID	Device license number registered with the authority Industry Canada
	Type plate on the power supply connection socket <ul style="list-style-type: none"> <li>• Power supply voltage required in V</li> <li>• Maximum current consumption in mA</li> <li>• : Note polarity of device connector</li> <li>• : Operate device with direct current</li> <li>• : Use compatible seca power supply units only</li> </ul>
	Do not dispose of device in household waste

Markings on the packaging	
Symbol	Meaning
	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. humidity for transport and storage
	Permitted min. and max. air pressure for transport and storage
	Open packaging here
	Packaging material can be disposed of through recycling programs

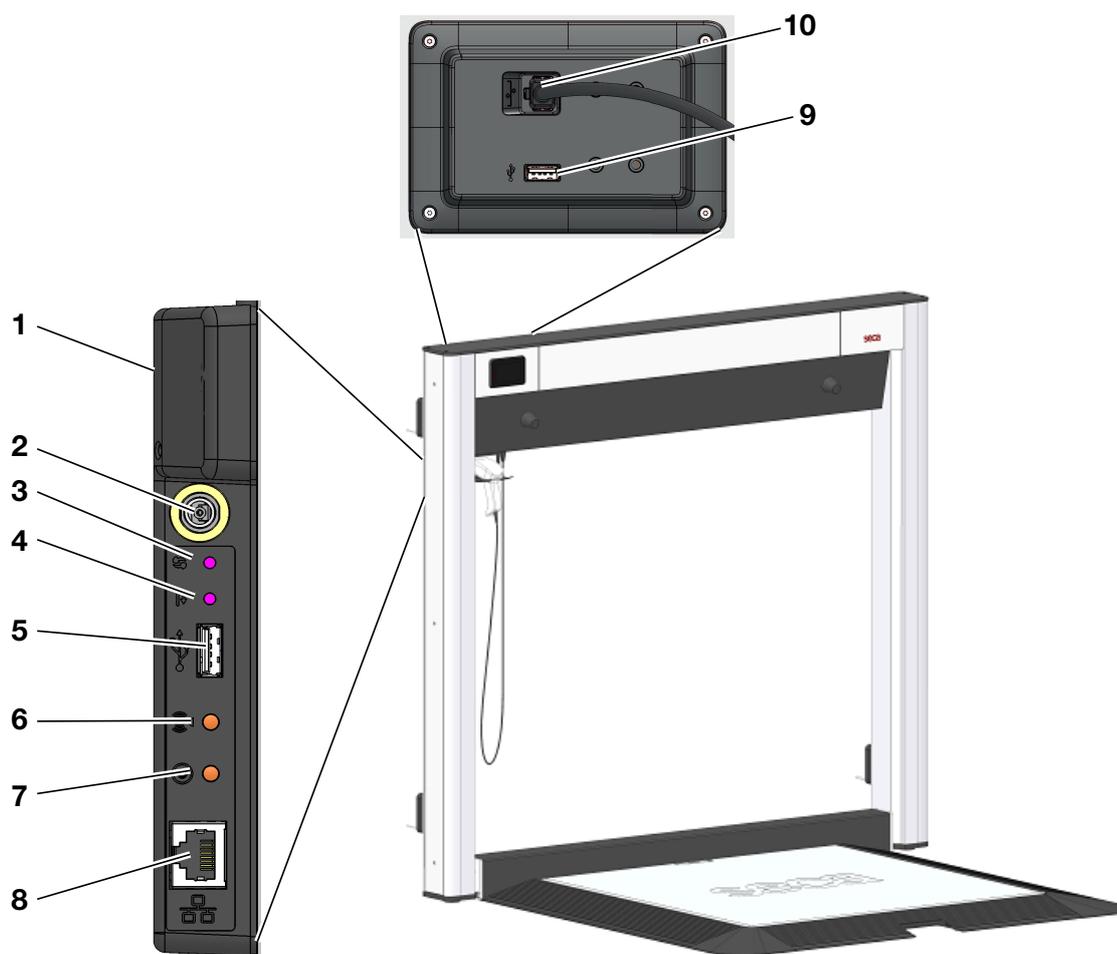
## 5 STARTING UP DEVICE

### 5.1 Scope of delivery



Item	Component	Pcs.
1	Device	1
2	Scanner bracket (with 2 hex head socket screws M4x16)	1
3	Tilt protection	1
4	Adjusting foot (with washer and nut)	2
5	Wall bracket (with plastic cover, clip and nut)	4
6	Wedge (positioning aid for assembling the weighing platform)	2
7	Hex head socket screw, M4x20	16
8	Special tool	1
9	Adhesive pad	16
10	Hex head socket screw, M10x20 (with washer Ø 10.5 mm)	2
11	Plug-in power supply unit with adapters	1
12	Shim	6
-	Assembly instructions	1
-	Quick guide	1

## 5.2 Interfaces



Item	Device component	Function
1	WiFi module (internal)	For connecting the device to the EMR System in your institution (alternative to LAN connection, <b>seca connect 103</b> software required)
2	Power supply connection	Connection of plug-in power supply unit
3	WPS button	Establish WiFi connection via WPS
4	Reset button	<ul style="list-style-type: none"> <li>Press and hold (approx. 8 seconds): Reset settings</li> <li>Press briefly (approx. 1 second): Activate/deactivate access point function</li> </ul>
5	USB interface	For alternatively connecting a barcode scanner (→ <a href="#">Optional accessories and spare parts, page 57</a> )
6	Network LED	<ul style="list-style-type: none"> <li>Flashing green: Establishing network connection</li> <li>Illuminated in green: Network connection established</li> <li>Illuminated in red: Network connection interrupted</li> </ul>
7	Power LED	<ul style="list-style-type: none"> <li>Illuminated in green: Device is ready for use</li> <li>Illuminated in red: Device is defective</li> <li>Flashing green: Device is active as access point</li> </ul>
8	LAN interface	For connecting the device to the EMR system in your institution (alternative to WiFi connection, <b>seca connect 103</b> software required).
9	USB interface	For connecting a barcode scanner (→ <a href="#">Optional accessories and spare parts, page 57</a> )
10	Display socket	For connecting the display (already connected on delivery)

## 5.3 Assembly/disassembly

---



### **WARNING!** Injury from gas spring

- ▶ The device may only be assembled or disassembled by sufficiently qualified persons (e.g. hospital technicians or seca Service). The gas springs must **not** be disassembled.

Assembly of the device and gas springs is described in the assembly instructions supplied.

## 5.4 Connecting a barcode scanner (optional)

---

A barcode scanner can be connected to the USB interface of the display. Alternatively, the barcode scanner can also be connected to the USB interface of the wall frame.

The barcode scanner is required for the following functions:

- **Configuration:** Define network data in the **seca connect 103** software and transfer them to the device using the QR code: → [Setting up network functions, page 43](#)
- **Operation:** Record patient and user IDs for transmitting measuring results to an EMR system: → [Completing the measurement, page 33](#)
- **Operation:** Record additional weight and deduct from a measuring result: → [Recording additional weight via barcode, page 29](#)

### **NOTICE!** Damage to device

- ▶ The USB port should be used only for barcode scanners and RFID scanners that are supported by seca.

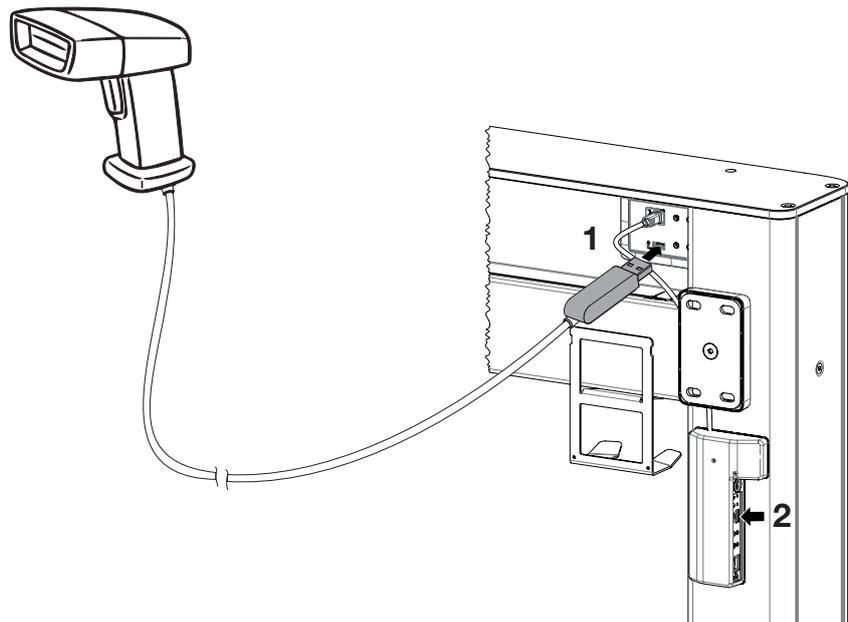
### **NOTE**

- ▶ Observe the maximum permitted current consumption of the barcode scanner.
- ▶ Use only barcode scanners recommended by seca.
- ▶ The device is compatible with NFC/RFID scanners. For details, contact seca Service.

To connect a barcode scanner, proceed as follows:

1. Disconnect the device from the power supply.

2. Plug the USB stick of the barcode scanner into the USB socket of the display (1). Alternatively, you can also use the USB socket of the interface (2).



3. Connect the scanner cable to the scanner bracket with a cable tie to relieve any strain.
4. Hang the barcode scanner in the scanner bracket.

## 5.5 Connecting power supply unit

The scale can be operated with a power supply unit.



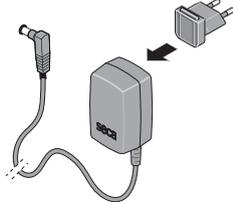
### WARNING!

**Personal injury or damage to device as a result of incorrect power supply units**

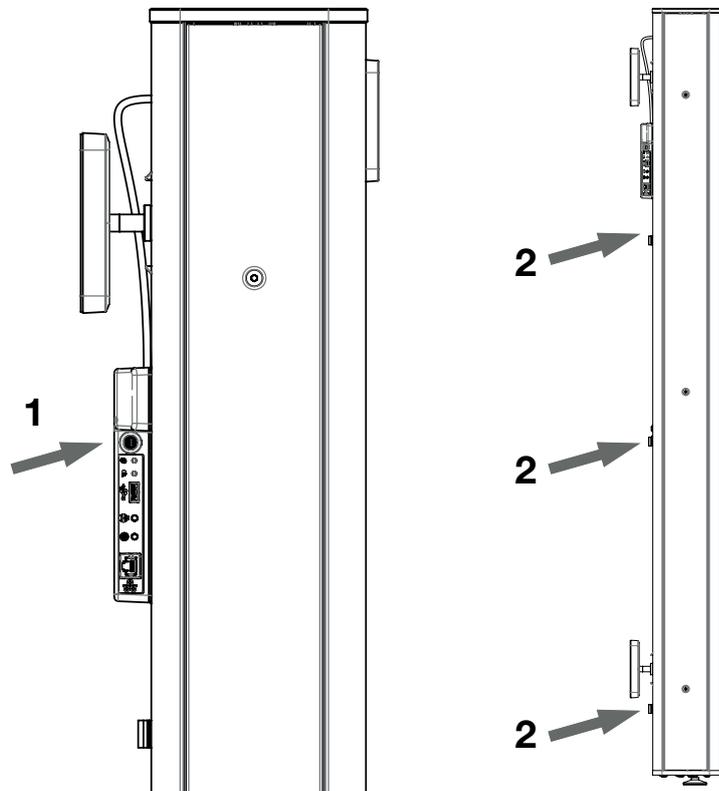
Conventional power supply units may deliver a higher voltage than is indicated on them. The measuring device may overheat, catch fire, melt or short-circuit.

- ▶ Use only original seca power supply units with a controlled 12 V output voltage.

1. Plug the adapter required for your region into the power supply unit.



2. Insert the device connector of the power supply unit into the power supply connection socket of the wall frame (1).



3. For strain relief, secure the power cable in the clips on the wall frame (2).
4. Plug the power supply unit into a power supply socket.
5. Perform a function check (→ [Function check, page 50](#)).

## 6 OPERATION

### 6.1 Safety precautions

---

**WARNING!****Injury from device falling over**

If the platform cannot be fully folded up or down due to a defect, re-use may cause consequential damage to the device. This could equally impair the strength of wall connection. As a result, the device may fall over and cause personal injury.

- ▶ Do not move or place a load on the platform.
- ▶ Secure the device to prevent re-use or it from falling over.
- ▶ Contact seca Service.

**WARNING!****Injury from the weighing platform**

If the strength of the gas springs weakens, the weighing platform might fall to the ground faster and more forcefully than usual and injure somebody.

- ▶ If it is easier to lower the platform or heavier to lift it than usual, carefully move the platform to a safe position (fully folded down or fully folded up).
- ▶ Have servicing performed.

**WARNING!****Injury from falling**

- ▶ Make sure that you do not trip over the ramps when pushing the handling aid onto the weighing platform.
- ▶ Make sure that the brakes on patient handling aids are engaged during the weighing procedure.

**WARNING!****Injury from falling**

Patients in motorized wheelchairs might drive onto the weighing platform too quickly or at the wrong angle and fall.

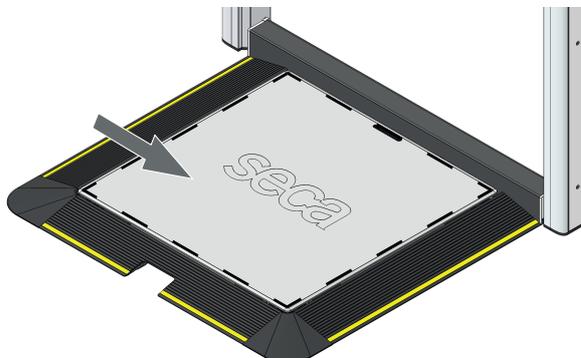
- ▶ Help patients in motorized wheelchairs onto the weighing platform. These patients should not drive onto the weighing platform unassisted.

**CAUTION!****Faulty measurement**

- ▶ When switching on the scale, make sure that the weighing platform is not subjected to any load (so the scale can perform zero adjustment correctly).

**CAUTION!**  
**Faulty measurement (wheelchair)**

- ▶ Make sure that all wheels of the patient handling aid are standing on the surface sensitive to weighing (marking in the figure).
- ▶ During the measurement, nothing must touch the wall, wall frame or ramp frame.



**CAUTION!**  
**Faulty measurement**

- ▶ Help patients in (motorized) wheelchairs onto the scale in order to position the wheelchair correctly. Patients should not perform any measurements themselves.

**CAUTION!**  
**Personal injury/faulty measurement**

- ▶ Before using the device each time, perform a function check as described in the corresponding section of these instructions for use.

## 6.2 Folding down the weighing platform

**WARNING!**  
**Injury from an obstacle**

If the weighing platform is not fully folded down or fully folded up, it can cause personal injuries.

- ▶ Always fold the weighing platform completely up or completely down.
- ▶ If the weighing platform cannot be fully folded up or down, secure the device to prevent re-use or it from falling over.
- ▶ Keep the weighing platform clean, especially in the area of moving parts (e.g. hinges and joints). Inspect these sectors regularly and remove any objects that could block the weighing platform.

**WARNING!**  
**Injury from device falling over**

Foreign objects under the weighing platform can lift up the wall frame. As a result, the wall connection may be impaired. The device can become detached from the wall, fall over and cause personal injuries.

- ▶ Check the area under the weighing platform on a regular basis. Keep this area clean and remove all foreign objects from this area.

**WARNING!**  
**Injury from the weighing platform**

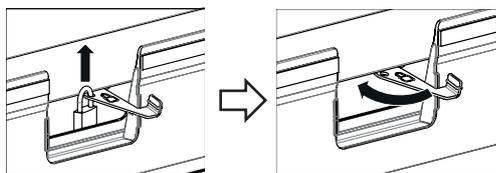
- ▶ Always be very careful when moving the weighing platform.
- ▶ Always fold the weighing platform completely up or completely down.

To fold down the weighing platform, proceed as follows:

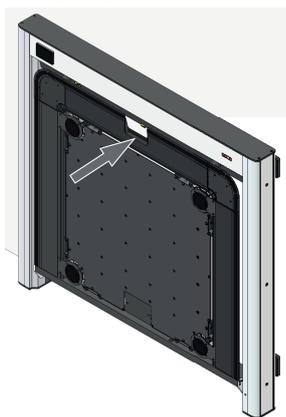
✓ The following appears on the display:



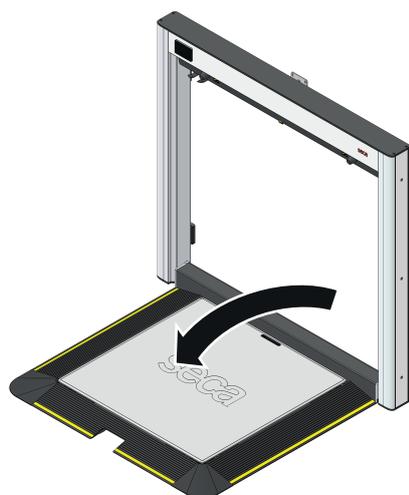
1. Make sure that no foreign objects are located on the weighing platform or in the area of any moving parts.
2. Unlock the weighing platform (example with padlock).



3. Grasp it by the recessed handle.



4. Carefully fold down the weighing platform.



⇒ The main screen appears on the display:



### 6.3 Activating the multifunctional display

The multifunctional display switches to standby mode after a set period of time (→ [Setting standby time, page 38](#)). In standby mode, the display is dimmed to save energy.

- ▶ Press the multifunctional display to activate it.
  - ⇒ The main screen is displayed.

### 6.4 Measuring weight

#### **CAUTION!** **Injury from falling**

Persons with limited mobility may fall when stepping on or off the weighing platform.

- ▶ Support people with limited mobility when they step on and off the scale.

✓ The weighing platform has no load.

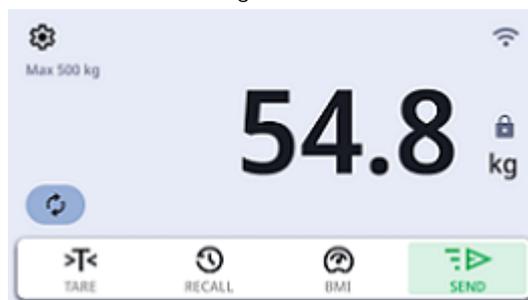
1. Ask the patient to step onto the weighing platform.
2. Ask the patient to keep still.

⇒ The symbol  is displayed until a stable weight is measured (**Autohold** activated).

⇒ A beep sounds as soon as a stable weight is measured (sound activated, seca 103/125).

⇒ The  symbol appears as soon as a stable weight is measured (**Autohold** activated).

3. Read off the measuring result.



#### **NOTE**

You can set how long the weight value is displayed (→ [Setting Autohold time, page 40](#)).

## 6.5 Using extended weighing functions

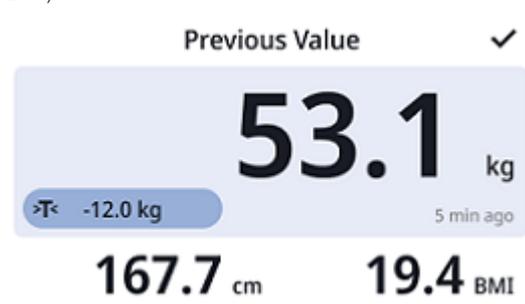
### Repeating a measurement

You can repeat the weight measurement while the patient is still standing on the weighing platform, although the weight value is no longer displayed.

- ▶ Press the  symbol.  
⇒ The patient's weight is re-measured.

### Displaying last weight measured

1. Press the  symbol.  
⇒ The last weight value measured is displayed (example with additional weight and BMI):

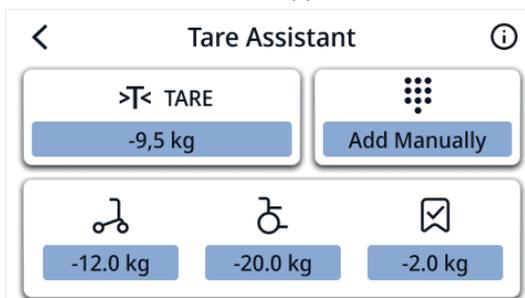


2. To close the display, press the  symbol.

### Removing additional weights

You can prevent additional weights (e.g. hand towel, wheelchair) from affecting the measuring result:

1. Press the  button.  
⇒ The **Tare Assistant** menu appears.



You have the following options for deducting additional weights:

	<p>→ <a href="#">Taring off additional weight (TARE), page 26</a> Note: <b>TARE</b> deactivates all additional weights that were entered manually with pre-tare or via barcode scanner.</p>
	<p>→ <a href="#">Entering additional weight manually, page 29</a></p>
	<p>→ <a href="#">Removing additional weights (pre-tare), page 28</a></p>
<p>–</p>	<p>→ <a href="#">Recording additional weight via barcode, page 29</a></p>



**WARNING!**  
**Faulty measurement**

If you enter or scan multiple additional weights (via tare, pre-tare, barcode), they will be added up.

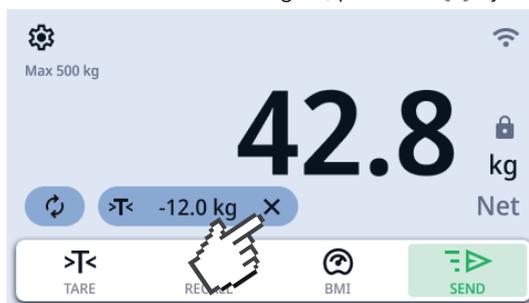
- ▶ To determine the patient's weight correctly, always check how many additional weights have been entered.

**NOTE**

The maximum weight which can be displayed is reduced by the weight of the objects which have been tared.

Example: If 500 kg is the maximum weight which can be displayed and additional weights of 300 kg have been tared off, you can weigh a patient with a weight of up to 200 kg.

- To delete all additional weights, press the **X** symbol:



- ⇒ The additional weights are no longer displayed.
- ⇒ The function is deactivated.

**Taring off additional weight (TARE)**

Use the **TARE** function to prevent an additional weight (e.g. a towel) from affecting the patient's weight value.

**NOTICE!**

**Faulty measurement as a result of force shunt**

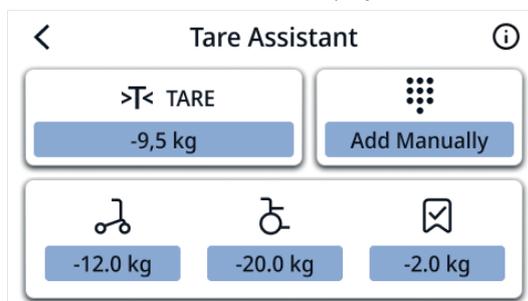
If an additional weight (e.g. a large towel) contacts the surface on which the scale is placed, the weight will not be measured correctly.

- ▶ Make sure that additional weights are only placed on the scale's weighing platform.

- ✓ The scale has no load.

- Place the additional weight on the weighing platform.

- Press the  button.  
⇒ The **Tare Assistant** menu is displayed.



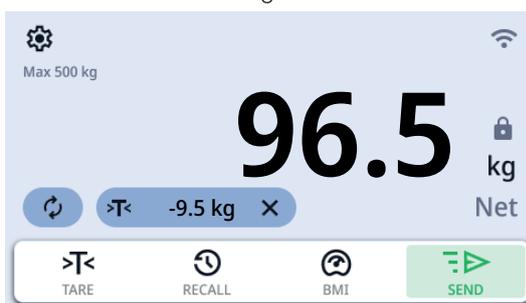
- ⇒ The current additional weight is proposed as tare value (here: 9.5 kg).

- Press the  button.

4. Wait until the value **0.00** and the message **NET** are displayed.



5. Ask the patient to step onto the scale.  
⇒ The patient's weight is displayed.  
⇒ The saved additional weight has been deducted automatically.



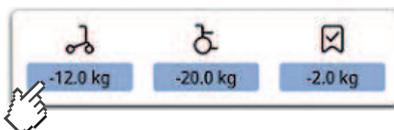
6. Read off the measuring result.
7. To delete the additional weight, press the **X** symbol.  
⇒ The additional weight is no longer displayed.  
⇒ The function is deactivated.

### Removing additional weights (pre-tare)

You can have saved additional weights, e.g. wheeled walker, wheelchair or a standard allowance for shoes and clothing, deducted from a measuring result.

✓ The scale has no load.

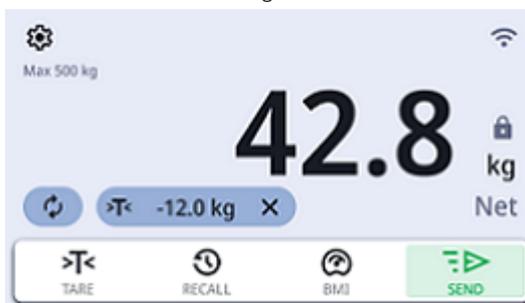
1. Press the  button.
2. Select the type of additional weight (here: wheeled walker, weight: 12 kg):



- ⇒ The selected additional weight (here: wheeled walker, weight: 12 kg) is displayed with a minus sign in front.
- ⇒ The message **NET** is displayed.



3. Ask the patient to step onto the scale with the additional weight.
  - ⇒ The patient's weight is displayed.
  - ⇒ The saved additional weight has been deducted automatically.



4. To delete the additional weight, press the **X** symbol.
  - ⇒ The additional weight is no longer displayed.
  - ⇒ The function is deactivated.

#### NOTE

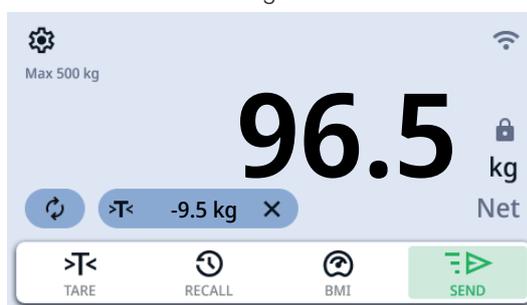
You can change the sequence: First, position the patient with the additional weight on the weighing platform and then deduct the additional weight.

### Entering additional weight manually

You can enter an individual weight value to be deducted as additional weight.

- ✓ The scale has no load.

1. Press the  button.
2. Press the  button.
3. Enter the additional weight using the keypad.
4. To confirm your entry, press the ✓ symbol.
5. Ask the patient to step onto the scale.
  - ⇒ The patient's weight is displayed.
  - ⇒ The saved additional weight has been deducted automatically.



6. To delete the additional weight, press the X symbol.
  - ⇒ The additional weight is no longer displayed.
  - ⇒ The function is deactivated.

### Recording additional weight via barcode

You can scan additional weight with a barcode scanner and have it automatically deducted from a measuring result, e.g. the weight of a wheelchair.

#### NOTE

##### For administrators or hospital technicians

Further information on how to generate a barcode with the weight of a wheelchair and/or a patient table is available here: → [Generating barcodes for "Tare-By-Scanning"](#), page 42.



#### WARNING!

##### Faulty measurement

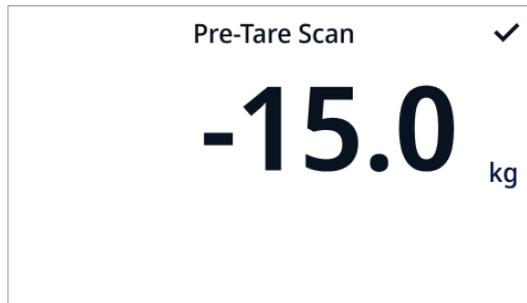
If you use the barcode scanner to scan multiple additional weights, they will be added up.

In addition to the weights scanned by barcode scanner, the device also deducts the set pre-tare value.

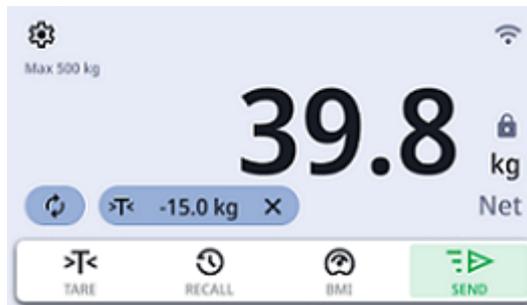
- ▶ To determine the patient's weight correctly, always check how many additional weights have been entered.

- ✓ The weighing platform has no load.
- ✓ A barcode scanner is connected → [Connecting a barcode scanner \(optional\)](#), page 18

1. Scan the barcode of the additional weight (e.g. wheelchair).  
⇒ The weight of the wheelchair is displayed (here: 15 kg).



2. Position the patient in the wheelchair on the weighing platform.  
⇒ The patient's weight is displayed (here: 39.8 kg).  
⇒ The additional weight of the wheelchair was deducted automatically (here: 15 kg).



3. To delete the additional weight, press the X symbol.  
⇒ The additional weight is no longer displayed.  
⇒ The function is deactivated.

**NOTE**

You can change the sequence: First position the patient in the wheelchair on the weighing platform and then scan in the additional weight.

## Calculating BMI

The device calculates Body Mass Index (**BMI**) or Body Surface Area (**BSA**) depending on the default setting (→ [Selecting BMI/BSA, page 39](#)).

### CAUTION! Patient hazard

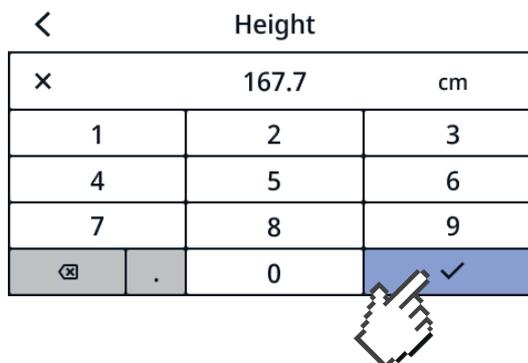
To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters). Some devices have the option of displaying measuring results in different units. This is purely an additional function.

- ▶ Only use the measuring results in SI units.
- ▶ You as the user take sole responsibility for the use of measuring results in non-SI units.

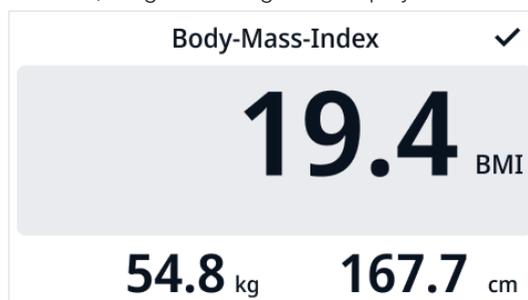
1. Determine the patient's weight (→ [Measuring weight, page 24](#)).
2. Press the **BMI** button.



3. Enter the height.
4. To confirm your entry, press the ✓ symbol.



⇒ The BMI, weight and height are displayed:



5. To close the display, press the ✓ symbol.

## Calculating BSA

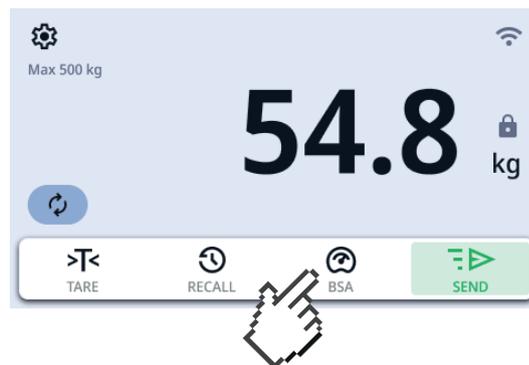
The device calculates Body Mass Index (**BMI**) or Body Surface Area (**BSA**) depending on the default setting (→ [Selecting BMI/BSA, page 39](#)).

### **CAUTION!** **Patient hazard**

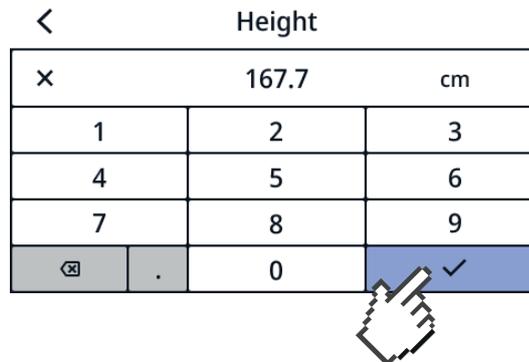
To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters). Some devices have the option of displaying measuring results in different units. This is purely an additional function.

- ▶ Only use the measuring results in SI units.
- ▶ You as the user take sole responsibility for the use of measuring results in non-SI units.

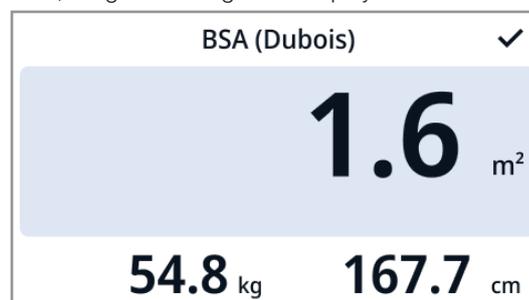
1. Determine the patient's weight (→ [Measuring weight, page 24](#)).
2. Press the **BSA** button.



3. Enter the height.
4. To confirm your entry, press the ✓ symbol.



⇒ BSA, weight and height are displayed:



5. To close the display, press the ✓ symbol.

## 6.6 Completing the measurement

### Devices with connection to an EMR system



**CAUTION!**  
**Incorrect assignment of measuring results**

Manual entries in the electronic patient file are susceptible to error.

- ▶ Enter the patient ID using a barcode scanner to automatically transmit the measuring results to the EMR system.

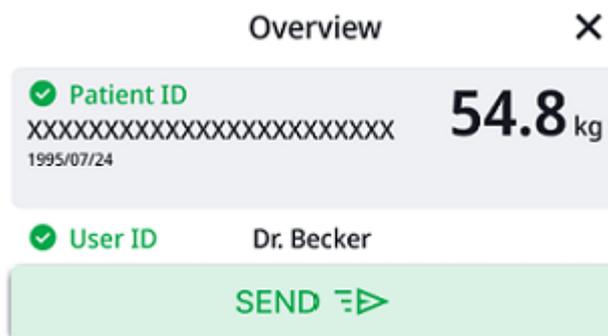
**NOTE**

Whether IDs have to be scanned and at what point during the measurement is defined when connecting the device to your EMR System. If you have any queries in this regard, contact your administrator or hospital technician.

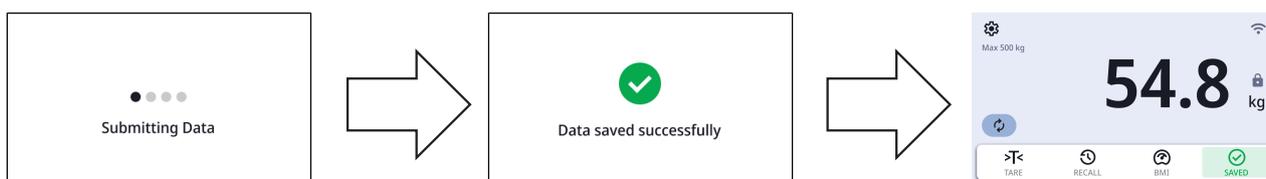
1. Make sure that the displayed measured values are plausible.

2. Press the  button.

3. Scan the patient and/or user ID.  
⇒ The device indicates whether the scanned IDs are correct:



4. Press the  button.  
⇒ The measuring results are submitted to the EMR system and assigned to the electronic patient file.



5. Ask the patient to step off the weighing platform.  
⇒ The device is ready for the next measurement.

### Stand-alone operation

To complete a measurement procedure on devices that are not connected to an EMR system, proceed as follows:

1. Make sure that the displayed measured values are plausible.
2. Transfer the displayed measured values to the patient file manually.
3. Ask the patient to step off the weighing platform.  
⇒ Measured values and manual entries are discarded.  
⇒ The device is ready for the next measurement.

## 6.7 Folding up weighing platform



### WARNING!

#### Injury from an obstacle

If the weighing platform is not fully folded down or fully folded up, it can cause personal injuries.

- ▶ Always fold the weighing platform completely up or completely down.
- ▶ If the weighing platform cannot be fully folded up or down, secure the device to prevent re-use or it from falling over.
- ▶ Keep the weighing platform clean, especially in the area of moving parts (e.g. hinges and joints). Inspect these sectors regularly and remove any objects that could block the weighing platform.



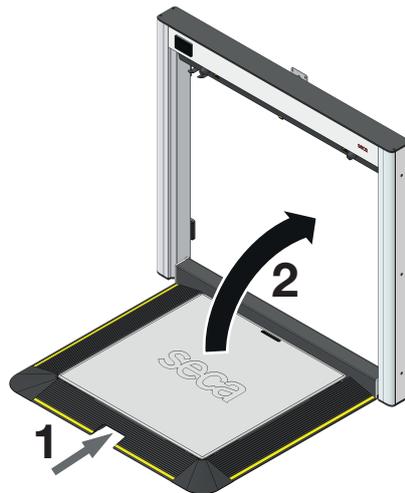
### WARNING!

#### Injury from the weighing platform

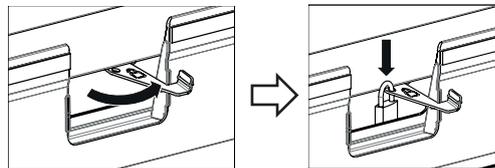
- ▶ Always be very careful when moving the weighing platform.
- ▶ Always fold the weighing platform completely up or completely down.

To fold up the weighing platform, proceed as follows:

1. Make sure that no foreign objects are located on the weighing platform or in the area of any moving parts.
2. Grasp it by the recessed handle (1).
3. Carefully fold up the weighing platform (2).



4. Lock the weighing platform, e.g. with a padlock.



### NOTE

You can lock the weighing platform with a padlock to prevent the device from being used by non-authorized persons or in case it is defective.

## 7 CONFIGURATION

### NOTE

- The functions described in this part of the instructions for use are intended exclusively for administrators and hospital technicians.
- This part of the user documentation contains information about configuring the device for measuring mode and for integrating it into a PC network.

### NOTICE!

Integrating this device into a PC network containing other devices may lead to previously unknown risks for patients, operators or third parties.

- It is the responsibility of the operating company to determine, analyze, rate, and manage these risks.

### 7.1 Basic functions

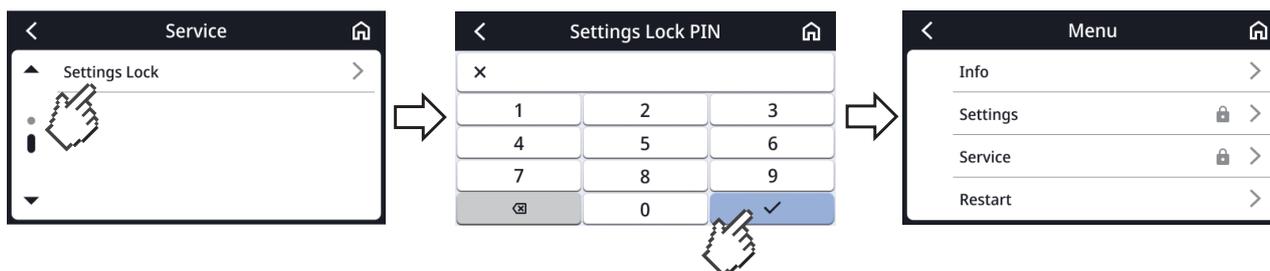
#### Calling up/exiting a menu

1. To call up the menu, press the  symbol.  
⇒ The menu is displayed.
2. To exit the menu, press the  symbol.  
⇒ The main screen is displayed.

#### Protecting Settings and Service with a PIN

You can set up a PIN for the **Settings** and **Service** menu items.

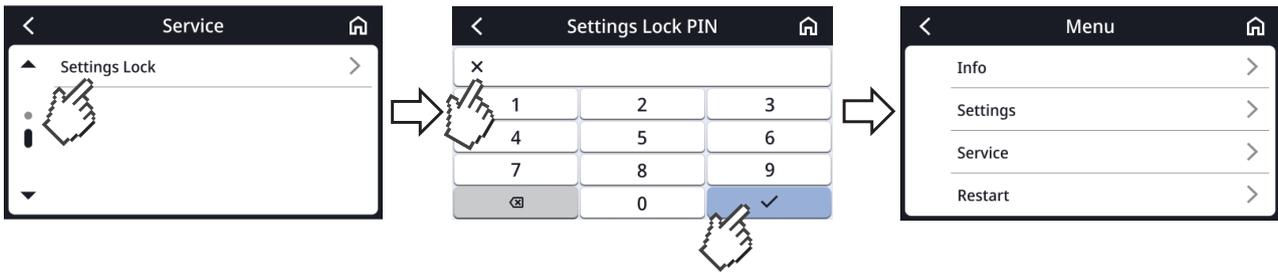
1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Service > Lock Settings**.
3. Enter the desired PIN.
4. To confirm your entry, press the  button.  
⇒ The PIN is stored.  
⇒ **Settings** and **Service** are stored with the PIN.
5. To exit the menu, press the  symbol.



To deactivate the PIN, proceed as follows:

6. Press the  symbol.

- To confirm your entry, press the ✓ button.  
⇒ **Settings** and **Service** are no longer stored with a PIN.

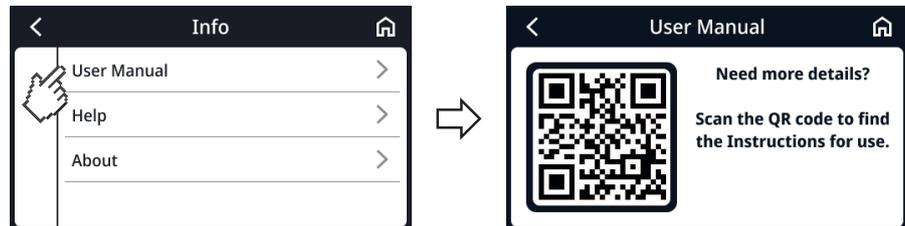


### Using the PDF version of the instructions for use (QR code)

You can scan a QR code which can be used to access the PDF version of these instructions for use and load them e.g. onto your smartphone or tablet PC.

To scan the QR code, proceed as follows:

- Press the ⚙️ symbol.  
⇒ The menu is displayed.
- Select **Info > User Manual**.  
⇒ A QR code is displayed.



- Scan the QR code (e.g. with your smartphone or tablet).  
⇒ This takes you to a website where you can download the instructions for use.

## 7.2 Adjusting display settings

**Setting display language** The display language can be set.

- Press the ⚙️ symbol.  
⇒ The menu is displayed.
- Select **Settings > Display > Language**.
- Select the desired language.  
⇒ The setting is active.



- To exit the menu, press the 🏠 symbol.

## Switching units

### CAUTION! Patient hazard

To prevent misinterpretations, measuring results for medical purposes must only be displayed and used in SI units (kilograms/grams, meters/centimeters). Some devices have the option of displaying measuring results in different units. This is purely an additional function.

- ▶ Only use the measuring results in SI units.
- ▶ You as the user take sole responsibility for the use of measuring results in non-SI units.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Units**.
3. Press the desired system of units.



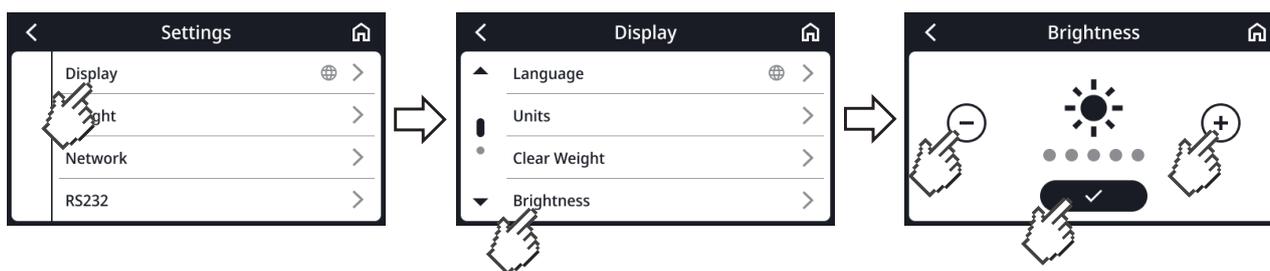
- ⇒ The setting is active.
- ⇒ Measuring results are displayed in the selected system of units.

4. To exit the menu, press the  key.

## Setting the display brightness

You can adjust the display brightness in stages.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Brightness**.
3. Press the plus key or minus key.
4. Confirm with .
- ⇒ The setting is active.



5. To exit the menu, press the  symbol.

## Setting standby time

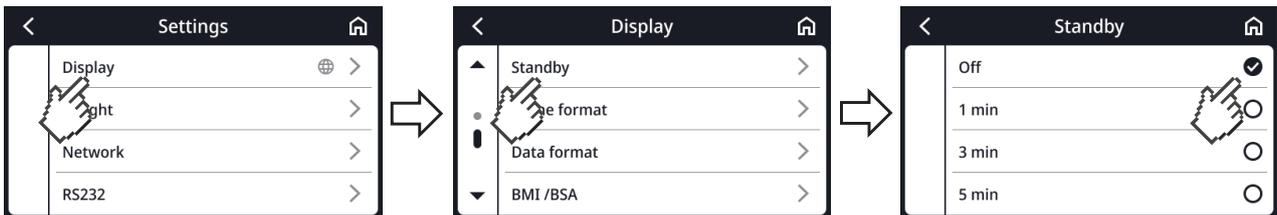
The time period after which the multifunctional display goes to standby mode can be set. In standby mode, the display is dimmed to save energy.

### **WARNING!** **Electric shock**

The device is not de-energized when the display goes off.

- ▶ The device is not equipped with an on/off switch. Remove the power supply connector if the device needs to be de-energized, e.g. for hygiene treatment or maintenance work.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Standby**.
3. Select the desired time period.  
⇒ The setting is active.



### **NOTE**

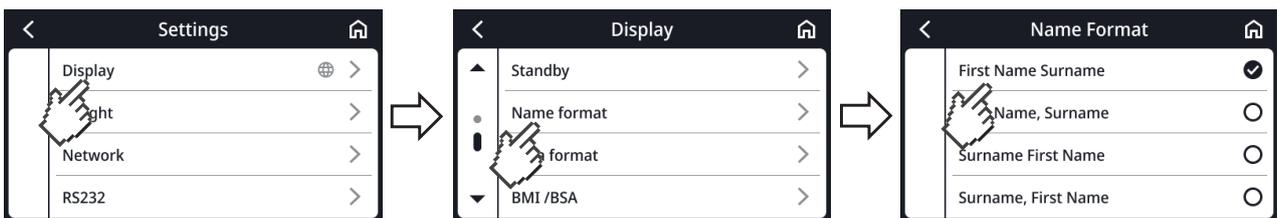
If the **Off** setting is selected in the **Standby** menu, the multifunctional display remains permanently active.

4. To exit the menu, press the  symbol.

## Setting name format

The format in which the names of patients and users are displayed can be set.

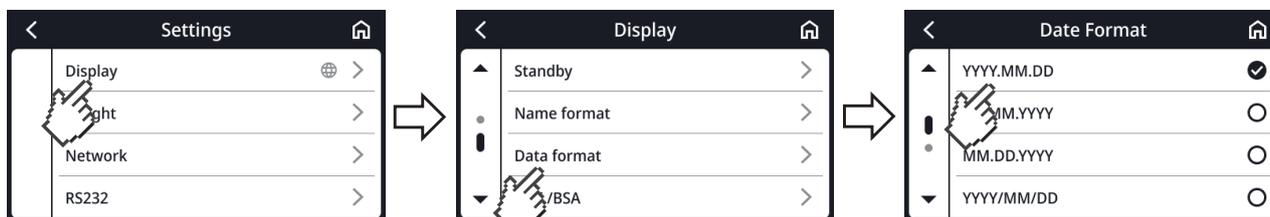
1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Name Format**.
3. Select the desired name format.  
⇒ The setting is active.



4. To exit the menu, press the  symbol.

**Setting date format** The format in which the patient's date of birth is displayed can be set.

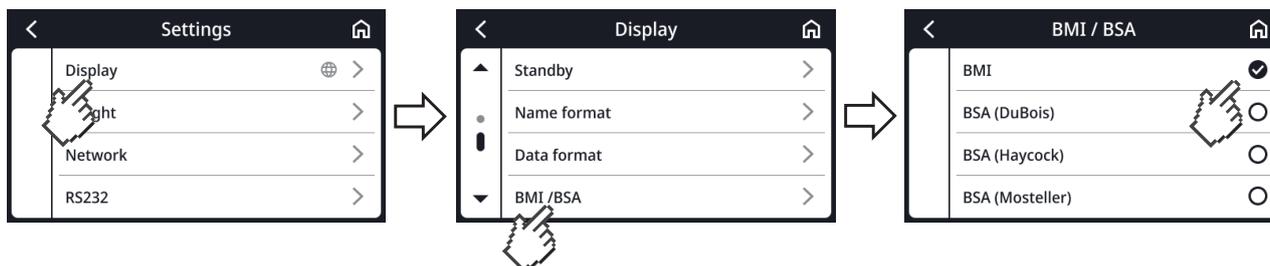
1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Date Format**.
3. Select the desired date format.  
⇒ The setting is active.



4. To exit the menu, press the  symbol.

**Selecting BMI/BSA** You can specify whether the device calculates Body Mass Index (**BMI**) or Body Surface Area (**BSA**) as soon as the patient's weight and height are available.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > BMI/BSA**.
3. Select the desired setting.  
⇒ The setting is active.



4. To exit the menu, press the  symbol.

## 7.3 Measuring

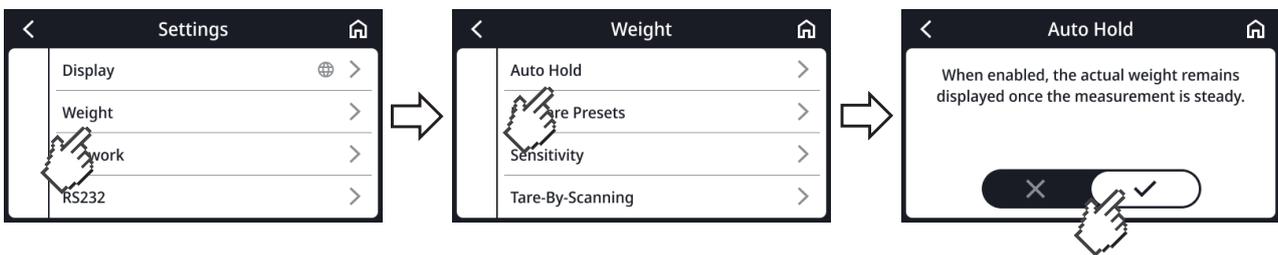
### Activating Autohold function

You can set how long the measured weight value is shown in the display (see also → [Setting Autohold time, page 40](#)).

#### NOTE

As soon as the device is connected to a network, the **Autohold** function is activated automatically and cannot be deactivated. **Autohold** will then not appear in the menu.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Weight > Autohold**.
3. Activate or deactivate the function.  
⇒ The setting is active.



4. To exit the menu, press the  symbol.

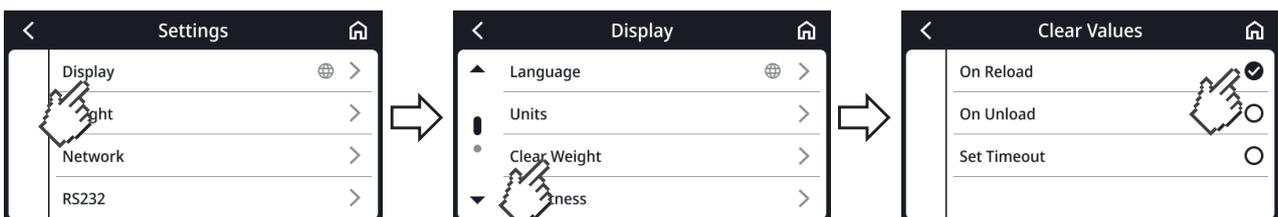
### Setting Autohold time

You can set how long the weight is displayed after the patient has left the weighing platform.

The setting options are available under the following conditions:

- ✓ Stand-alone operation (without integration in a PC network).
- ✓ **Autohold** is activated (→ [Activating Autohold function, page 40](#))

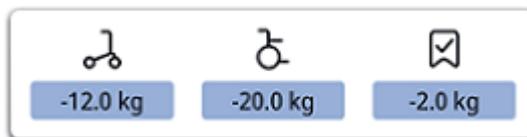
1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Display > Clear Values**.  
⇒ You have the following setting options:
  - ▶ **On Reload**: Values are deleted when a new load is placed on the weighing platform
  - ▶ **On Unload**: Values are deleted as soon as the load is removed from the weighing platform
  - ▶ **Set Timeout**: The values will be cleared after an individually set period of time
3. Press the desired setting.  
⇒ The setting is active.



4. To exit the menu, press the  symbol.

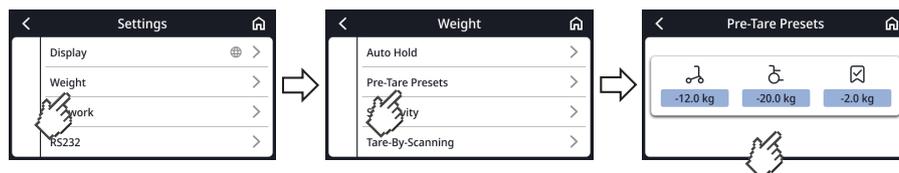
## Changing pre-tare values

The following pre-tare values are defined in the **Tare Assistant** (factory setting):



You can change the pre-tare values.

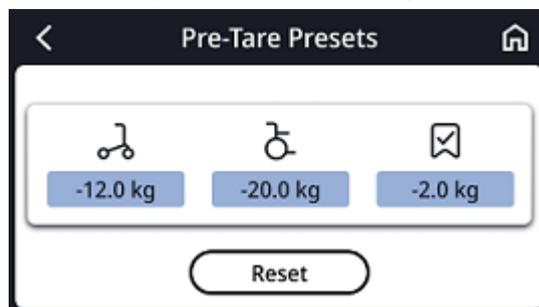
1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Weight > Pre-Tare Presets**.



3. Press the desired button.
4. Enter the desired value.
5. To confirm the value, press the  symbol.  
⇒ The value is assigned to the selected button.
6. To exit the menu, press the  symbol.

## Resetting pre-tare values to factory setting

If at least one pre-tare value was changed, the **Reset** button appears:



1. Press the **Reset** key.
2. To confirm your selection, press the  key.  
⇒ The pre-tare values are reset to the factory setting.

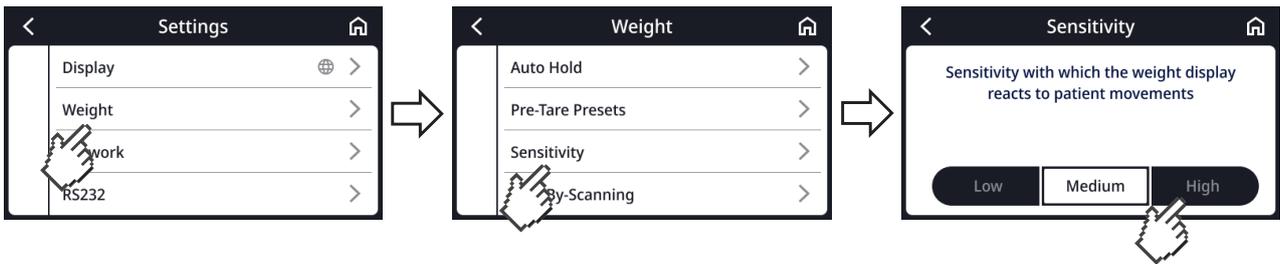
## Setting sensitivity

The **Sensitivity** function can be used to avoid interference during weight determination (e.g. due to patient movement).

The selected setting has the following effects on measurement procedures if the **Autohold** function is activated:

- Sensitivity with which the weight display reacts to patient movements
- Time period until a weight value is displayed permanently

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Weight > Sensitivity**.
3. Select the desired sensitivity level.  
⇒ The setting is active.



Setting	Weight determination
Low	Fast
Medium	Medium
High	Slow

4. To exit the menu, press the  symbol.

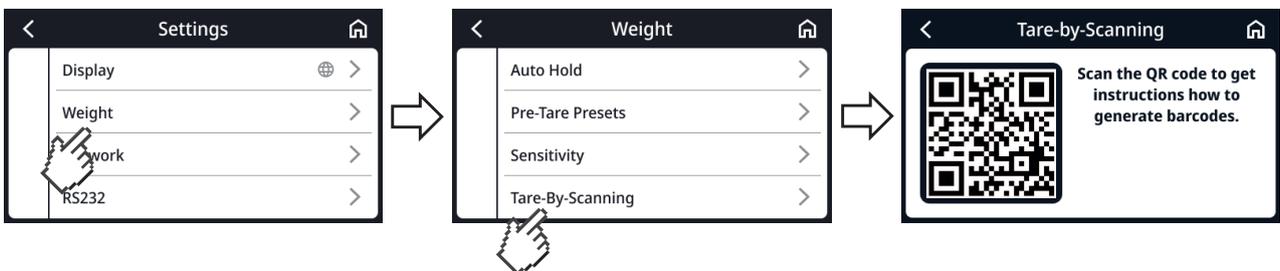
### NOTE

**Low** setting: Sometimes no weight value is displayed permanently when patients are unable to stand securely, despite activated **Autohold** function.

## Generating barcodes for “Tare-By-Scanning”

The **Tare-By-Scanning** menu item contains information like how to generate barcode with the weight of a wheelchair and/or a patient table. With the barcode, you can scan an additional weight (→ [Recording additional weight via barcode, page 29](#)).

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Weight > Tare-By-Scanning**.  
⇒ A QR code is displayed.



3. Scan the QR code (e.g. with your smartphone or tablet).  
⇒ You will be taken to a website. There you will find information about how to generate barcodes.
4. To exit the menu, press the  symbol.

## 7.4 Setting up network functions

### **CAUTION!** Malfunction, implausible measured results

If network settings are not carried out correctly, measured results may be assigned incorrectly or lost.

- ▶ Have the steps described in this section carried out by your administrator or hospital technician. If you have any questions, contact seca Service.

### **NOTE**

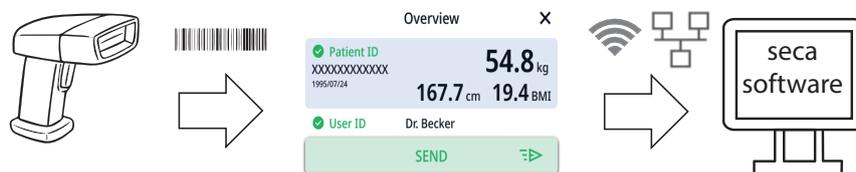
As soon as the device is connected to a network, the **Autohold** function is activated automatically. The **Autohold** function cannot be deactivated as long as the device is connected to a network.

You can connect the device to an EMR system. Use the connection to assign the measured values to an electronic patient file. The following conditions must be met:

- Device is set up in the **seca connect 103** software
- Device is connected to your network via a LAN or WiFi connection
- An interface to your EMR system is set up in the **seca connect 103** software
- A barcode scanner is connected to the device

On connection to an EMR system, the measurement procedure consists of the following steps:

- Record ID(s) using the barcode scanner
- Record measured values on the device
- Use the **seca connect 103** software to transmit measuring results to the EMR system



### **NOTE**

The measurement procedure (workflow settings) can be individually adapted in the **seca connect 103** software.

### Setting up the device in the **seca connect 103** software

For data transmission between the device and your EMR system, the device must be set up in the **seca connect 103** software. Amongst other things, the following data must be entered:

- Device name
  - Setup location
  - Measurement procedure (workflow settings)
  - IP address or server name (DNS) of the **seca connect 103** server
  - Network port
1. Set up the device in the **seca connect 103** software as described in the **seca 103/452** system instructions for use.
    - ⇒ The software generates a QR code containing the entered information.
  2. Make sure that a barcode scanner is connected to the device (→ [Connecting a barcode scanner \(optional\)](#), page 18).
  3. Scan the QR code from the software user interface or from a paper printout.
    - ⇒ The settings carried out in the **seca connect 103** software are stored in the device.

4. You have the following options for continuing:
  - ▶ LAN: Connect the device to the network using a LAN cable
  - ▶ WiFi connection via **seca connect 103**: → [Setting up WiFi via seca connect 103, page 46](#)

**NOTICE!**

**Malfunction**

To be able to transmit measuring results to an EMR System, an interface must be set up between the **seca connect 103** software and the EMR system.

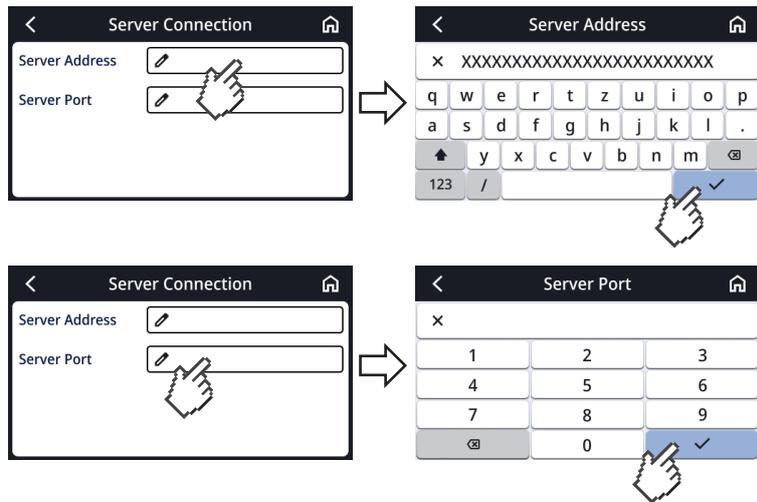
- ▶ Observe the **seca 103/452** system instructions for use.
- ▶ Set up the interface in cooperation with the manufacturer of your EMR system.

**Entering the server address**

In order to be able to use network functions, the device must be connected to the following server:

- **seca connect 103**: Local server on which the **seca connect 103** software is installed.

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Network > Server Connection**.
3. Enter server address and server port:
  - a) Enter the value
  - b) Confirm your entry by pressing the  key

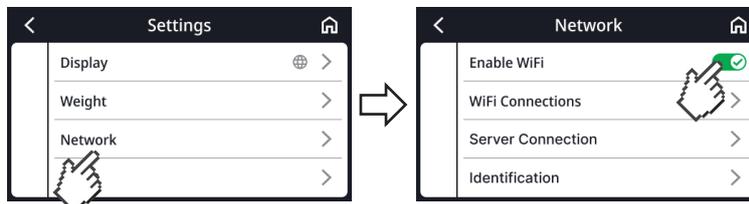


4. You have the following options for continuing:
  - ▶ LAN: Connect the device to the network using a LAN cable
  - ▶ WiFi connection via **seca connect 103**: → [Setting up WiFi via seca connect 103, page 46](#)

### Activating/deactivating the WiFi function

To activate/deactivate the WiFi function for the device, proceed as follows:

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Network > Enable WiFi**.  
⇒ The current setting is displayed:



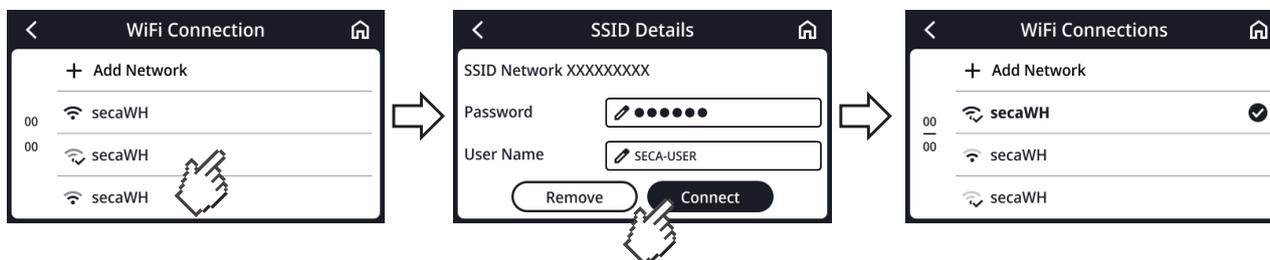
3. Press the desired setting for the **Enable WiFi** item:

-  Function activated
-  Function deactivated

4. To exit the menu, press the  symbol.

### Setting up WiFi directly on the device

1. Ensure that there is no LAN connection – disconnect the LAN cable from the device if there is one.
2. Ensure that the WiFi function of the device is activated → [Activating/deactivating the WiFi function, page 45](#).
3. Press the  symbol.  
⇒ The menu is displayed.
4. Select **Settings > Network > WiFi Connection**.  
⇒ The device searches for available WiFi networks. This may take a moment.
5. You have the following options to continue:
  - ▶ Search for network automatically (recommended and described below)
  - ▶ Integrate device in a WiFi network manually
6. Press the network you wish to use (here: secaWH).
7. Enter user name and password for the WiFi network.
8. Press the **Connect** key.  
⇒ The device connects to the router of the WiFi network.  
⇒ As soon as the device is connected to the WiFi network, the  symbol is displayed.



## Setting up WiFi via **seca connect 103**

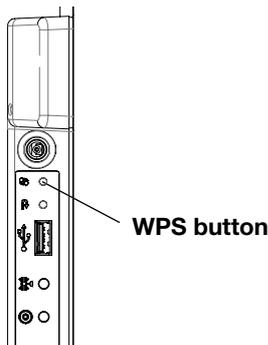
Connect your device to the WiFi network via the **seca connect 103** software if you do not have access to the WPS function of the router or want to integrate several devices:

1. Ensure that there is no LAN connection – disconnect the LAN cable from the device if there is one.
2. Ensure that the WiFi function of the device is activated → [Activating/deactivating the WiFi function, page 45](#).
3. Enter the data for the WiFi network in the **seca connect 103** software as described in the **seca 103/452** system instructions for use.  
⇒ The software generates a QR code containing the entered information.
4. Make sure that a barcode scanner is connected to the device → [Connecting a barcode scanner \(optional\), page 18](#).
5. Scan the QR code from the software user interface.  
⇒ The settings carried out in the **seca connect 103** software are stored in the device.  
⇒ The device connects to the router of the WiFi network.  
⇒ As soon as the device is connected to the WiFi network, the  symbol is permanently on.

## Connecting device to a WiFi network (WPS)

Connect your device to the WiFi network via WPS if no barcode scanner is connected to the device and you have access to the router.

1. Ensure that the WiFi function of the device is activated (→ [Activating/deactivating the WiFi function, page 45](#)).
2. Press the WPS button on the router and on the connection panel of the wall frame.  
⇒ The device connects to the router of the WiFi network.  
⇒ As soon as the device is connected to the WiFi network, the  symbol is permanently on.



### NOTICE!

#### Malfunction, incomplete data transmission

Further settings must be made to enable measurement data to be transmitted to an EMR System via the **seca connect 103** software.

- ▶ Observe the **seca 103/452** system instructions for use.

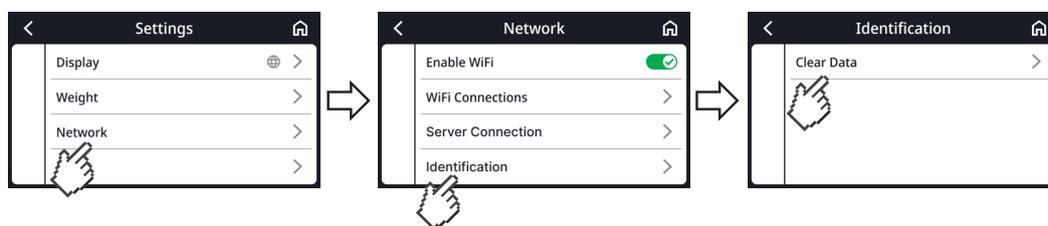
### Automatically clearing measured values

To ensure data security, you can set how long patient data (ID, weight, height, etc.) will be displayed. Besides, out-of-date measuring results and patient data can lead to incorrect calculation of BMI or BSA.

The period of time after which the following parameters are cleared automatically can be set:

- Weight
- Height
- **BMI**
- **BSA**
- Patient ID

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Settings > Network > Identification > Clear Data**.
3. Specify the time after which the device is to discard measuring results and patient data:
  - a) Enter value (minimum: 10 sec./maximum: 3600 sec./1 h)
  - b) Confirm your entry by pressing the  key



4. To exit the menu, press the  symbol.

## 7.5 Factory settings

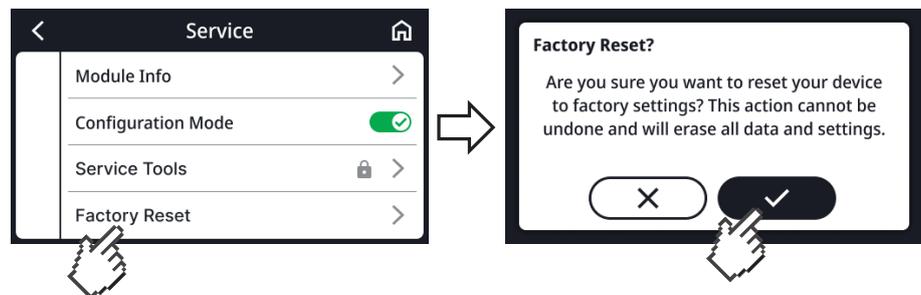
### Overview of factory settings

Function	Factory setting
Tare	0 kg
Pre-tare	5 kg, 12 kg, 20 kg
Height	0 cm
Autohold	On
Clear Values	30 sec.
Sensitivity	High
Display: Language	English
Display: Date format	YYYY/MM/DD
Display: Name format	First name Surname
Display: Standby	1 min
Display: Brightness	Stage 4 of 5
BMI/BSA	BMI
Units	Metric (kg, cm)
Configuration Mode <sup>a</sup>	Off
Clear Data <sup>a</sup>	300 sec.
Enable WiFi <sup>a</sup>	On
Server Port <sup>a</sup>	22020
Server Address <sup>a</sup>	None

<sup>a</sup> Individual setting is **not** reset to factory settings.

### Restore factory settings

1. Press the  symbol.  
⇒ The menu is displayed.
2. Select **Service > Factory Reset**.



3. To confirm your selection, press the  key.  
⇒ The device will be reset to factory settings.  
⇒ The main screen is displayed again.

#### NOTE

The following settings will **not** be reset:

- **Clear Data**
- **Server Address**
- **Server Port**
- **Enable WiFi** and WiFi access data
- **Configuration Mode**

## 8 HYGIENE TREATMENT

### **WARNING!** **Electric shock**

The device is not de-energized when the display goes off. Electric shock is possible when using liquids on the device.

Observe the following procedure to de-energize the device:

- ▶ Pull out the power supply connector
- ▶ Ensure that no fluids penetrate the device.

### **WARNING!** **Risk of infection**

- ▶ Subject the device to a hygiene treatment at regular intervals as described in this section.

### **NOTICE!** **Damage to device**

Unsuitable cleaning agents and disinfectants may damage the sensitive surfaces of the device and impair its operability.

- ▶ Do not use aggressive or abrasive cleaning agents.
- ▶ Do not use organic solvents (e.g. white spirit or petroleum spirit).

### **NOTICE!** **Damage to device through electrostatic charges**

Cleaning the device with dry cotton cloths may subject the device to electrostatic charges, thus damaging it.

- ▶ Use a damp cloth for cleaning.

### 8.1 Cleaning

- ▶ If required, moisten a soft cloth with a mild soap solution and wipe the device over with it.

### 8.2 Disinfecting

### **WARNING!** **Risk of infection**

- ▶ Clean the display regularly.
1. Disinfect the device at regular intervals using a disinfectant suitable for sensitive surfaces and acrylic glass. seca recommends a 70 % ethanol solution as a surface disinfectant.
  2. Follow the instructions for use of the disinfectant.
  3. Disinfect the device:
    - ▶ Moisten a soft cloth with disinfectant and wipe down the device with it.
    - ▶ Comply with the intervals, see table:

Interval	Component
Before and after each measurement	<ul style="list-style-type: none"> <li>• Weighing platform</li> </ul>
As required	<ul style="list-style-type: none"> <li>• Display</li> </ul>

### 8.3 Sterilizing

The device must not be sterilized.

## 9 FUNCTION CHECK

- ▶ Perform a function check before each use.

A complete function check includes:

- A visual inspection for mechanical damage
- Check for objects under the weighing platform
- A visual and function check of the display elements
- A 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, initially try to remedy the fault with the aid of the “Troubleshooting” section in this document.



### **CAUTION!**

#### **Personal injury**

If you find faults or deviations during the function check which you are unable to remedy with the aid of the “Troubleshooting” section in this document, you must not use the device.

- ▶ Have the device repaired by seca Service or an authorized service partner.
- ▶ Follow the section entitled “Servicing” in this document.



### **WARNING!**

#### **Injury from device falling over, heavy device parts**

If the connection of the wall brackets to the wall is impaired, the wall frame might detach from the wall, and the device could fall over (wall frame and platform) and injure persons.

If the strength of the gas spring weakens, the weighing platform might fall to the ground faster and more forcefully than usual.

- ▶ Check the device for safety defects once a year. Check following items in accordance with the assembly instructions:
  - The snap link of the tilt protection must be hooked in.
  - The platform must fold up completely with the wall from the position in the upper third (check of gas spring strength).
  - The wall bracket fixing must be intact (secure connection to wall).
  - It must be possible to move the wall frame up and down slightly (floating connection of wall frame with wall brackets).

## 10 TROUBLESHOOTING

If faults occur when operating the device, first attempt to remedy them yourself using the following tables. If the fault persists, contact seca Service or an authorized service partner.

With some faults, an error code appears on the display. Please state the error code when you contact seca Service.

Information about display messages and the structure of error codes can be found here:

→ [Traffic light system for display messages, page 53](#)

→ [Error codes, page 53](#)

### 10.1 General faults

Fault	Cause	Remedy
Display does not react when keys are pressed	Device is in an undefined state following implausible inputs	<ul style="list-style-type: none"> <li>→ <a href="#">Restarting the device, page 52</a></li> <li>If the error recurs, inform seca Service</li> </ul>
Display remains dark after tapping or switching on	No connection to the interface box	<ul style="list-style-type: none"> <li>Check whether the display cable is connected correctly</li> <li>If the error recurs, inform seca Service</li> </ul>
	No power supply	<ul style="list-style-type: none"> <li>Check whether power supply unit is connected correctly</li> <li>If the error recurs, inform seca Service</li> </ul>
	Device is in an undefined state following implausible inputs	<ul style="list-style-type: none"> <li>→ <a href="#">Restarting the device, page 52</a></li> <li>If the error recurs, inform seca Service</li> </ul>
	Display faulty	Inform seca Service

### 10.2 Measuring weight

Fault/error code	Cause	Remedy
Displayed weight value is implausible	Weighing electronics using outdated zero point	<ul style="list-style-type: none"> <li>Remove the weight from the weighing platform</li> <li>Restart the device</li> <li>Wait until main screen is displayed again</li> </ul>
	Weighing electronics defective	Inform seca Service
<b>013-272XX-XXX</b>	Oscillations have been induced in scale, zero point could not be determined	<ul style="list-style-type: none"> <li>Check whether there are any objects under the weighing platform</li> <li>Restart the device</li> <li>If the error recurs, inform seca Service</li> </ul>

## 10.3 Data transmission

Message	Cause	Remedy
001-288XX-XXX	No connection to the server	<ul style="list-style-type: none"><li>• Check LAN cable</li><li>• Check network settings (→ <a href="#">Setting up network functions, page 43</a>)</li></ul>
002-288XX-XXX	No data transmission possible	Check network and workflow settings: <ul style="list-style-type: none"><li>• Check network settings (→ <a href="#">Setting up network functions, page 43</a>)</li><li>• Check workflow settings: System instructions for use <b>seca 103/452</b></li></ul>
020-288XX-XXX to 022-288XX-XXX	No connection to <b>seca connect 103</b> software	<ul style="list-style-type: none"><li>• Repeat measurement</li><li>• Check settings in the <b>seca connect 103</b> software</li></ul> <hr/> <ul style="list-style-type: none"><li>• Restart the device</li><li>• If the error recurs, inform seca Service</li></ul>

## 10.4 Restarting the device

In individual cases (e.g. following implausible input) it may be necessary to restart the device. To do so, use the **Restart** function in the menu or interrupt the power supply and then restore it.

### NOTE

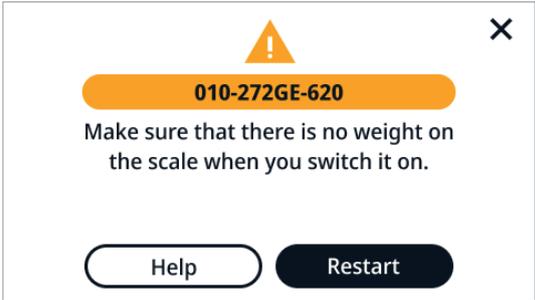
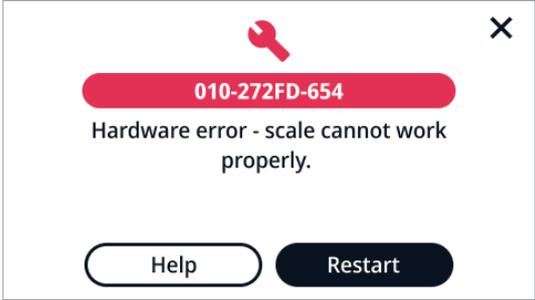
All the individual settings in the device are retained in the event of a restart. If you want to reset the device to factory settings, proceed as described in the relevant section: → [Factory settings, page 48](#)

### Interrupting and restoring the power supply

If restarting using the display is unsuccessful, you can briefly interrupt the power supply to the device:

1. Make sure that there is no load on the weighing platform.
2. Disconnect the power supply unit from the power supply socket.
3. Wait about a minute.
4. Plug the power supply unit back into the socket.
  - ⇒ The device and display switch on automatically.
  - ⇒ The device is ready for operation.

## 10.5 Traffic light system for display messages

Symbol	Description
 <b>Connected to network</b>	<p>Green: Action successful, e.g. device connected to a network</p>
	<p>Yellow: Incorrect operation or malfunction can be remedied by the user with the aid of the error tables in this section.</p> <p>Example:</p> 
	<p>Red: Device error that cannot be remedied by the user, inform seca Service.</p> <p>Example:</p> 

## 10.6 Error codes



**010 - 272GE - 620**

Model number (here: seca 620)

Firmware version of the assembly concerned (here: Index E)

Hardware version of the assembly concerned (here: Index G)

Assembly concerned (here: 272 = Weight measurement)

Error number (here: 010 = Zero point outside of range)

## 11 SERVICING

The product needs to be set up carefully and serviced regularly. Depending on how frequently the product is used, seca recommends servicing at intervals of 3 to 5 years.



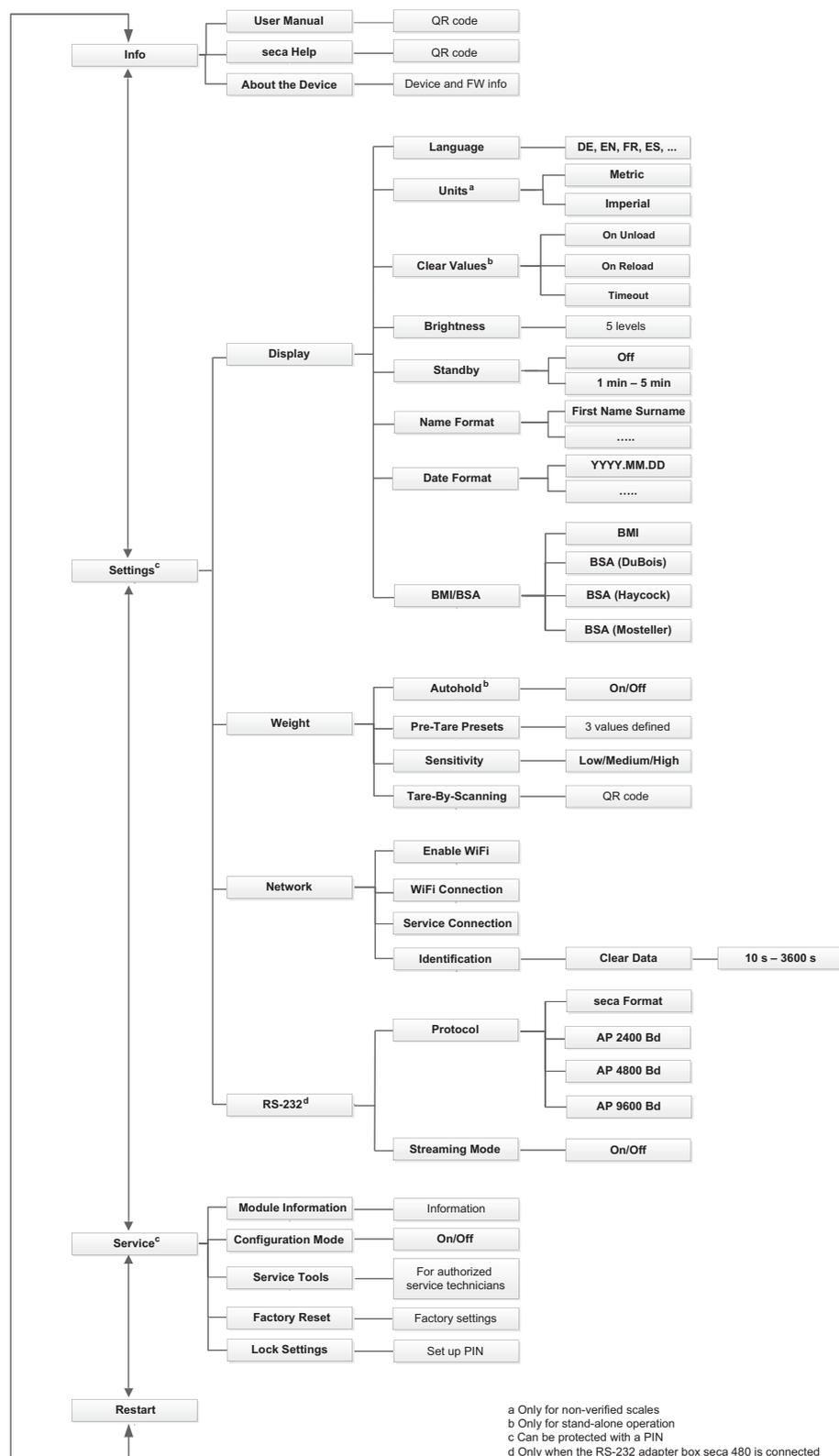
### **CAUTION!**

#### **Faulty measurements as a result of poor servicing**

- ▶ Have servicing and repairs carried out exclusively by seca Service or an authorized service partner.
- ▶ You can find your local service partner at [www.seca.com](http://www.seca.com).

## 12 TECHNICAL DATA

### 12.1 Menu structure



17-10-06-655-002a\_2025-11S

## 12.2 General technical data

Ambient conditions, operation <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Air pressure</li> <li>• Humidity</li> </ul>	+10 °C to +40 °C 700 – 1060 hPa 20 % – 85 % no condensation
Ambient conditions, storage/transport <ul style="list-style-type: none"> <li>• Temperature</li> <li>• Air pressure</li> <li>• Humidity</li> <li>• Warm-up time from lowest storage temperature to operational temperature <ul style="list-style-type: none"> <li>– At ambient temperature 20 °C</li> <li>– At ambient temperature 20 °C with condensation</li> </ul> </li> <li>• Cooling time from highest storage temperature to operational temperature (at ambient temperature 20 °C)</li> </ul>	-10 °C to +65 °C 700 – 1060 hPa 0 % – 95 % no condensation  8 h 24 h 8 h
Power supply <ul style="list-style-type: none"> <li>• Power supply unit <ul style="list-style-type: none"> <li>– Supply voltage</li> <li>– Maximum current consumption</li> <li>– Power consumption</li> </ul> </li> </ul>	12 V max. 1.5 A max. 18 W
Mains voltage	100 V – 240 V
Power supply frequency	50 Hz – 60 Hz
IEC 60601-1: Medical electrical device, Type BF	
Type of protection in accordance with IEC 60529	IP21
Duty cycle	Continuous duty
Service life	At least 8 years or at least 15,000 measurements
Medical device in accordance with Regulation (EU) 2017/745	Class I with measuring function
Application parts in accordance with IEC 60601-1	Display, weighing platform
Interfaces: <ul style="list-style-type: none"> <li>• USB</li> <li>• WiFi</li> <li>• LAN</li> <li>• Internal bus system/display</li> </ul>	USB 2.0, max. 500 mA IEEE 802.11b/g/n/e/i IEEE 802.3u seca device bus (SDB)

## 12.3 Dimensions and weights

Dimensions: <ul style="list-style-type: none"> <li>• Height</li> <li>• Width</li> <li>• Depth (weighing platform folded up)</li> <li>• Depth (weighing platform folded down)</li> </ul>	170 cm 180 cm 20 cm 150 cm
Net weight	115 kg

## 12.4 Weight measurement

Minimum capacity	2 kg
Maximum capacity	500 kg
Graduation	100 g
Accuracy	± 200 g (> 135 kg: ± 0.15 %)

## 13 OPTIONAL ACCESSORIES AND SPARE PARTS

Accessory/spare part	Article number
Switch-mode power supply unit: 100-240 V~ / 50-60 Hz, 12 V= / 1.5 A / 18 W	68 32 10 272
Barcode scanner (optional)	See recommendation at <a href="http://www.seca.com">www.seca.com</a>
RS-232 adapter box <b>seca 480</b>	480 6900 009

## 14 DISPOSING OF THE DEVICE



Do not dispose of the device in your household waste. The device must be properly disposed of as electronic scrap. Follow your respective national regulations. For more information, please contact seca Service or an authorized service partner.

## 15 WARRANTY

There is a two-year warranty period from delivery for defects attributable to poor materials or workmanship. All movable parts, e.g. batteries, cables, power supply units, rechargeable batteries etc. are exempt. Defects which come under the warranty will be repaired for the customer free of charge against proof of purchase. Additional claims cannot be considered. Costs of transport to and from seca are the responsibility of the customer if the device is located somewhere other than the customer's headquarters. In the event of transport damage, claims under warranty can only be made if the complete original packaging was used for transport and the device was secured and fastened in it according to its originally packaged condition. You should therefore keep all packaging parts.

The warranty will be voided if the device is opened by persons not expressly authorized by seca to do so.

In the event of a warranty issue, please contact your local seca office or the dealer from whom you ordered the product.

## 16 DECLARATIONS OF CONFORMITY

### 16.1 Europe



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

### 16.2 USA and Canada

seca 620

WiFi Module:  
FCC 2AC7Z-ESPWROOM02  
IC 21098-ESPWROOM02



This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions. (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### NOTE

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

#### NOTE

Changes or modifications made to this equipment not expressly approved by seca may void the FCC authorization to operate this equipment.

#### NOTE

Radiofrequency radiation exposure information: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 1 m between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



# Medical Measuring Systems and Scales since 1840

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