The future in focus since 1840

The simple, yet vital, daily routine of patient measuring and weighing is performed in every clinical setting, with weight and height measurements remaining as essential cornerstones of clinical care. Our corporate vision is to provide even more necessary vital parameters from a single source – with solutions as trustworthy as our tradition in medical measuring systems and scales.

This catalog reinforces our vision in providing a comprehensive product portfolio. In addition to our established scale selection, you will find bioimpedance solutions that have been rigorously tested by medical validation studies, unmatched, certified EMR integration solutions and enhanced vital signs monitors to streamline your workflow. At the same time, seca is committed to continuous software development to bring the perfect product today, tomorrow and in the future.

Let yourself be inspired by our innovations and discover the best-suited solution for your clinical needs today.
Not all products, accessory parts, functions or services are available in all countries.
WEIGHT
HEIGHT
CIRCUMFERENCE

The perfect solutions for medical measuring and weighing – from premature infants to immobile patients.

Measuring and weighing are among the thousands of routine procedures in a hospital, doctor’s office and every medical facility. In all our measuring and weighing solutions, we aim to make this routine procedure as simple and efficient as possible. We provide solutions for patients of all ages, states of health and mobility levels. Absolute precision, reliability and longevity form the foundation for every seca product. What’s more, our measuring systems and scales provide an abundance of functions and details that make work easier for staff and help to prevent mistakes.
Baby scales

Babies who feel safe and secure are easier to weigh.

Baby scales by seca make weighing fast and comfortable, thanks to the skin-friendly materials that immediately take on and radiate body warmth. With designs that make the baby feel safe and advanced functions that shorten the weighing process, such as seca integration solutions. They allow you to transmit measurements quickly, securely and wirelessly to any EMR (Electronic Medical Record) system.

seca 757
EMR-validated baby scale with very precise graduation

+ Utmost accuracy: suitable for premature infants
+ Weighing tray made of heat-retaining plastic
+ Backlit, easy-to-read LCD display
+ Included rechargeable batteries allow mobile use without searching for a power outlet
+ Three-stage adjustable damping for fast weighing
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class
Capacity 15 kg
Graduation 2 g < 5 kg > 5 g
Functions TARE, HOLD, Auto-HOLD, damping, auto weighing range switch-over, automatic switch-off, SEND
Accessories + Interface module seca 452
+ Battery for longer mobile use seca 454
+ Mobile carts seca 403 and seca 402

The backlit LCD display ensures results can be easily read, even in dimmed rooms.
Can be operated by rechargeable batteries or power adapter.

Accessories seca 403 / seca 402
Carts for mobile support of seca baby scales

+ Ideal supplement to baby scales seca 757, seca 336i, seca 336, seca 376 and seca 385 / 384 / 834
+ Optionally available paper roll holder seca 408
sec 336 i

EMR-validated baby scale with Wi-Fi function

+ Optional with digital measuring rod sec 234 or analog measuring rod sec 232
+ Damping system for fast weighing
+ Easy-to-read, backlit LCD display
+ USB port for barcode scanner for user and patient identification
+ EMR-validated via Wi-Fi: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class: 
Cap. 20 kg
Graduation: 10 g

Functions: TARE, BMI, HOLD, Auto-HOLD, SEND, damping, automatic switch-off, Wi-Fi, auto weighing range switch-over, confirm button

Ports: USB for barcode scanner

Accessories:
+ Mobile carts sec 403 and sec 402
+ Digital measuring rod sec 234
+ Analog measuring rod sec 232
+ Battery for longer mobile use sec 454
+ Carrying case sec 428

Barcode scanners can be plugged in directly to the scale's USB port for optional user and patient identification.

Easy-to-read, backlit LCD display. Weight and height are transmitted to the electronic medical record at the touch of a button.

The digital measuring rod simplifies measurement with a clear display and transmission function.
seca 376

EMR-validated baby scale with extra large weighing tray

- Weighing tray with high side walls for increased safety
- Weighing and measuring in one step thanks to optional length measuring rod
- Three-step damping for fast weighing
- Large tray is suitable for weighing toddlers while sitting
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class: B
Capacity: 20 kg
Graduation: 5 g < 7.5 kg > 10 g

Functions:
- TARE, BMIF, HOLD, Auto-HOLD, auto weighing range switch-over, damping, automatic switch-off, SEND

Accessories:
- USB adapter seca 456
- Mobile carts seca 403 and seca 402
- Measuring rod seca 233
- Power adapter 447
- Switch-mode power adapter 400

seca 336

Electronic baby scale for space-saving use

- Measuring and weighing can be done in a single step thanks to an optional length measuring rod
- Flat construction for easy storage in drawers
- Lightweight with a carrying handle for mobile use
- Wide range of functions: TARE, BMIF, HOLD, Auto-HOLD and adjustable damping
- Large backlit LCD display
- Extendable with digital measuring rod seca 234 or analog measuring rod seca 232 n

Approval class: B
Capacity: 20 kg
Graduation: 5 g < 10 kg > 10 g

Functions:
- TARE, BMIF, HOLD, Auto-HOLD, auto weighing range switch-over, damping, automatic switch-off, confirm button

Accessories:
- Mobile carts seca 403 and seca 402
- Digital measuring rod seca 234
- Analog measuring rod seca 232 n
- Carrying case seca 428
- Power adapter 401

The optional measuring rod can be used to determine weight and height simultaneously.
seca 385 / seca 384 / seca 834

2-in-1 mobile baby scale and flat scale for toddlers

+ Weigh babies lying down and toddlers standing up
+ Easily detach the weighing tray from the base to use as a flat scale
+ Compact, robust and lightweight: ideal for mobile use
+ High-quality baby scale with calibration approval at an economical price
+ Wide range of functions: TARE, HOLD and Breast-Milk-Intake-Function (BMIF)

seca 745

Mechanical baby scale with sliding weights

+ Classic construction with high-quality precision mechanics
+ Exact weight determination using the reset-to-zero function
+ Gently curved weighing tray for the utmost safety when weighing
+ Removable scale cover is easy to clean and perfect for mobile use

The reset-to-zero function guarantees reliable determination of net weight by simply deducting the extra weight of padding or diaper.

<table>
<thead>
<tr>
<th>seca 385</th>
<th>seca 384</th>
<th>seca 834</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approval class</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Capacity</td>
<td>50 kg</td>
<td>20 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>20 g &lt; 20 kg &gt; 50 g</td>
<td>10 g &lt; 10 kg &gt; 20 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, BMIF, HOLD, automatic switch-off, weighing range switch-over</td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td>Mobile carts seca 403 and seca 402, Measuring board seca 417 or measuring mat seca 210, Backpack seca 409 (for combination with measuring board or measuring mat), Carrying case seca 414 (for combination with measuring board), Backpack seca 431, Carrying case seca 413</td>
<td></td>
</tr>
</tbody>
</table>

seca 834 is only available in certain countries.
Pediatric measuring systems

Adaptable devices are preferred.

Clinics, medical practices and health care facilities have varied conditions and requirements. seca responds with a wide range of products for pediatrics – from infantometers to a portable measuring mat and from measuring rods to a head circumference measuring tape. seca has the right solution for every application, whether the devices are for in-patient or mobile use, in large or small spaces, for everyday or infrequent use. They all share the renowned seca quality which always lives up to the most demanding medical requirements.

seca 416
Infantometer for measuring babies and toddlers

- Robust, extra large construction for precise measuring
- Ensures correct lying position due to trough-shaped measuring surface
- Measurement scale printed along top side for easy reading

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>33 – 100 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>
seca 417

Light, space-saving and stable measuring board also ideal for mobile use

+ Simple operation for quick mobile use  
+ Folds up for space-saving storage  
+ High-quality materials for long service life  
+ Smooth surfaces for easy cleaning

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Graduation</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| 10 – 100 cm     | 1 mm       | + Backpack seca 409 or carrying case seca 414 (for combination with baby scale seca 385 / 384 / 834)  
+ Carrying case seca 412 |

The high-quality folding mechanism guarantees a long service life.

The measurement results are easy to read from the large measuring scale.

Possible combination  
seca 384 / 385 / 834, seca 417 and seca 414

The mobile measuring and weighing system for babies and toddlers

+ Combined weighing and measuring of babies and toddlers in a lying position  
+ The 2-in-1 baby and toddler scale plus measuring board can be easily transported together in a roomy carrying bag
seca 210
Mobile measuring mat for babies and toddlers

- Light-weight and easy to clean with most commercially available disinfectants
- Fixed head piece and the sliding foot positioner make it simple to use
- Measuring mat rolls up for easy transport and space-saving storage

seca 207
Baby measuring rod with large calipers

- Fixed headpiece and smooth sliding foot positioner
- Space saving and mobile
- Attachable to changing tables or for wall mounting
- Foldable calipers for easy storage

seca 212
Measuring tape for head circumference of babies and toddlers

- Hygienic, disposable measuring tape of non-stretch Teflon material
- Double function: head circumference with the front side of the tape and facial symmetry with the rear side
- Easy-to-read, color-coded precise results
- Practical dispenser (content: 15 tapes)

Pediatric measuring systems

Movable calipers at one end of the measuring rod make this instrument suitable for use with both babies and toddlers.

The measuring mat can be rolled up for space-saving storage.

Precise and easy-to-read measurements made possible by clear, red markings.

Measuring range 7 – 99 cm
Graduation 1 mm

Measuring range 3 – 59 cm
Graduation 1 mm

Measuring range 10 – 99 cm
Graduation 5 mm
Measuring stations

Measuring and weighing in a single step.

Measuring stations let you measure and weigh in one step to effectively determine patient height and weight. Be it an ultrasonic measuring station or measuring station with digital head slider, seca offers state-of-the-art technology, high-quality materials, elegant design and functions that make daily medical routine easier. EMR-validation means that the user no longer has to record the measured data manually and the seca Scale-up Line displays the name or ID of the patient.
Illuminated LED footprints in the weighing platform show patients the correct standing position for accurate height measurement.

Measuring stations

With the cuddly panda seca 459 weighing and measuring is playful and fun for children.

Scale

<table>
<thead>
<tr>
<th>Approval class</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
</tr>
<tr>
<td>Functions</td>
<td>Display of user and patient name or ID, TARE, Pre-TARE, mother+child function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, standby mode, Wi-Fi, Ethernet</td>
</tr>
</tbody>
</table>

Accessories

+ Ultrasonic height measurement seca 257
+ Handrail seca 455
+ Panda seca 459
+ Barcode scanner mount seca 463
+ Large transport wheel set seca 468

Ultrasonic height measurement

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>60 – 220 cm / 100 – 220 cm (with handrail)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
<tr>
<td>Functions</td>
<td>Automatic calibration</td>
</tr>
</tbody>
</table>

Order code ON SHM AUT NN

- Flat scale seca 655
- Ultrasonic height measurement seca 257
- Handrail seca 455

Order code ON SMM AUT NN

- Flat scale seca 655
- Ultrasonic height measurement seca 257
- Handrail seca 455

The displayed patient and user name offer greater control and increase patient safety.

Bearclaw Glass®

Nearly effortless transport with extremely robust rubber wheels.

With the cuddly panda seca 459 weighing and measuring is playful and fun for children.

seca Scale-up Line

EMR-validated ultrasonic measuring station with ID-Display and optional handrail

- Display shows name or identification number (ID) of users and patients for increased safety
- Data transmission controlled by touchscreen display
- Outstanding precision and high-speed measuring thanks to perfected ultrasound technology
- Large platform made of tested seca Bearclaw Glass® for absolute breakage resistance and perfect hygiene
- Illuminated LED footprints in the weighing platform show patients the correct standing position for accurate height measurement
- Voice guidance to support the measurement process
- Optional: Safe weighing with sturdy handrail
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

seca.com/scaleup
**seca 285**

**EMR-validated measuring station for height and weight**

- Weighing and measuring in a single step
- Precise head alignment with the seca Frankfurt Line
- Precise 50 g graduation at a very high capacity of up to 300 kg
- Wide range of height measurement: also suitable for pediatrics
- Supports the patient consultation with individual printout seca directprint
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

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**seca 287**

**EMR-validated ultrasonic measuring station with voice guidance**

- Voice-guided self-measurement assists personnel
- Outstanding precision and high-speed measuring thanks to perfected ultrasound technology
- Hands-free measuring prevents the spread of germs
- Precise 50 g graduation and 300 kg weighing capacity
- High-quality workmanship and modern design with safety glass and an aluminum profile
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

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**Scale**

<table>
<thead>
<tr>
<th>Approval class</th>
<th>B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
<td></td>
</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
<td></td>
</tr>
<tr>
<td>Functions</td>
<td>Pre-TARE, mother-child function, HOLD, Auto-HOLD, Auto-BMI, TARE, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, SEND, directprint</td>
<td></td>
</tr>
</tbody>
</table>
| Accessories | + Interface module seca 452  
+ USB adapter seca 456  
+ Panda seca 459 | |

---

**Ultrasonic height measurement**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>60 – 210 cm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>Automatic calibration</td>
<td></td>
</tr>
</tbody>
</table>

---

Three unique pairs of sensors transmit and receive ultrasonic signals separately and thereby ensure the most precise measurement results.

Thanks to the seca 452 interface module, measured data can be transmitted directly to the EMR system.

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**Height measurement**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>30 – 220 cm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>HOLD, automatic switch-off, SEND</td>
<td></td>
</tr>
</tbody>
</table>

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The Frankfurt Line, which is offered only by seca, makes sure the patient’s head is in exactly the right position.

The seca directprint is the ideal tool for qualified and efficient weight advice.
Column scales

Indestructible support in patient care.

Thanks to their high precision, steadfast mechanics, durable aluminum, steel and cast iron construction as well as many sophisticated details, seca column scales are an indispensable part of the medical world.

When used with a height measuring rod, they double as a measuring station and can determine weight, height and BMI in a single action. The column scales can be easily transported thanks to their transport wheels.

seca 704

EMR-validated column scale with 300 kg capacity

+ Extremely robust, highly precise seca weighing technology with 300 kg capacity
+ Non-tilting base made of heavy duty cast iron
+ Impact- and scratch-resistant powder coating
+ Wide range of functions: BMI, pre-TARE, HOLD, Auto-HOLD, mother+child function, three-step damping
+ Expandable to measuring station with an optional height measuring rod
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Scale</th>
<th>Approval class</th>
<th>Capacity</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CE</td>
<td>300 kg</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, Pre-TARE, mother+child function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Interface module seca 452 + USB adapter seca 456 + Measuring rod seca 220 or seca 224 + Panda seca 459 + Power adapter 447 + Switch-mode power adapter 400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measuring rod seca 220 (optional)

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 – 200 cm</td>
<td>1 mm</td>
</tr>
</tbody>
</table>
seca 799

Electronic column scale with BMI function

+ Particularly robust and compact column scale
+ Includes BMI function, TARE and HOLD
+ Robust weighing platform made of steel
+ Easily movable with transport wheels
+ Can be powered with batteries for mobile use or a power adapter for stationary use
+ Expandable into a complete measuring station with an optional height measuring rod

Image contains optional measuring rod seca 220

The BMI calculation can be displayed with the touch of a button.

The slip resistant surface with an anti-tip column design guarantees a safe and secure foothold.

seca 704

EMR-validated column scale with stadiometer

+ The height measuring rod with a heel plate is ideal for three-point measurement for patients affected by obesity
+ Display faces the user for increased visual ergonomics
+ Non-filling base made of heavy duty cast iron, resistant to moisture
+ Impact- and scratch-resistant powder coating for a guaranteed long weighing lifespan
+ Wide range of functions: BMI, pre-TARE, HOLD, Auto-HOLD, mother+child function, three-step damping
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

The measuring scale is printed on the side of the measuring rod improving visual ergonomics. Practical wheels permit mobile use.

The slip resistant surface with an anti-tip column design guarantees a safe and secure foothold.

The BMI calculation can be displayed with the touch of a button.

Scale

<table>
<thead>
<tr>
<th>Approval class</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, Pre-TARE, mother+child function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND</td>
</tr>
<tr>
<td>Included</td>
<td>Stadiometer</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Interface module seca 452</td>
</tr>
<tr>
<td></td>
<td>+ USB-Adapter seca 456</td>
</tr>
<tr>
<td></td>
<td>+ Panda seca 459</td>
</tr>
<tr>
<td></td>
<td>+ Power adapter 447</td>
</tr>
<tr>
<td></td>
<td>+ Switch-mode power adapter 400</td>
</tr>
</tbody>
</table>

Stadiometer (included)

| Measuring range | 6 – 230 cm |
| Graduation | 1 mm |

Scale

<table>
<thead>
<tr>
<th>Approval class</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>200 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>100 g &lt; 150 kg &gt; 200 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, HOLD, BMI, weighing range switch-over, automatic switch-off</td>
</tr>
<tr>
<td>Included</td>
<td>Stadiometer</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Measuring rod seca 220 or seca 224</td>
</tr>
<tr>
<td></td>
<td>+ Panda seca 459</td>
</tr>
<tr>
<td></td>
<td>+ Power adapter 447</td>
</tr>
<tr>
<td></td>
<td>+ Switch-mode power adapter 400</td>
</tr>
</tbody>
</table>

Stadiometer (included)

| Measuring range | 60 – 200 cm |
| Graduation | 1 mm |
seca 711

Mechanical column scale with eye-level beam

+ Easy reading and operation at eye level
+ Requires no batteries or other power supply
+ Same level of accuracy as a digital column scale
+ Non-tilting and highly robust base made of cast iron
+ High capacity of 220 kg
+ All parts are corrosion-resistant

The scale is printed on both sides so that both the patient and the user can read the weight. The broad and flat construction provides easy step-on access and a firm foothold.

Scale

<table>
<thead>
<tr>
<th>Approval class</th>
<th>Approval class</th>
</tr>
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<tbody>
<tr>
<td>200 kg</td>
<td>160 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>500 g</td>
</tr>
<tr>
<td>Functions</td>
<td>BMI, Reset-to-zero function</td>
</tr>
<tr>
<td>Accessories</td>
<td>Measuring rod seca 220, Panda seca 459</td>
</tr>
</tbody>
</table>

Measuring rod seca 220 (optional)

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Measuring range</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 - 200 cm</td>
<td>60 - 200 cm</td>
</tr>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

seca 756

Mechanical column scale with BMI display and evaluation

+ Fast and easy BMI determination
+ Simultaneous evaluation of nutritional status
+ Clear circular scale and low platform

Once the weight has been measured, an integrated, color-coded BMI scale indicates if the patient is underweight, normal or obese.

Height and weight measurements can be taken at once with the optional telescopic measuring rod seca 224.

Scale

<table>
<thead>
<tr>
<th>Approval class</th>
<th>Approval class</th>
</tr>
</thead>
<tbody>
<tr>
<td>160 kg</td>
<td>500 g</td>
</tr>
<tr>
<td>Functions</td>
<td>BMI, Reset-to-zero function</td>
</tr>
<tr>
<td>Accessories</td>
<td>Measuring rod seca 224, Panda seca 459</td>
</tr>
</tbody>
</table>

Measuring rod seca 224 (optional)

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Measuring range</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 - 200 cm</td>
<td>60 - 200 cm</td>
</tr>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>
Flat scales

Saving on space does not mean saving on patient benefits.

Where space is limited, there remains plenty of space for seca flat scales. Their wide array of functions make the day-to-day routines in medical care easier. Additional features include high weight capacity of up to 300 kg and long-battery life. Useful accessories such as carrying cases and a stand for a separate display make using seca flat scales even more enjoyable.

seca 651
EMR-validated flat scale with ID-Display and stable glass platform

+ Display shows name or identification number (ID) of users and patients for more safety
+ Data transmission controlled on the touchscreen
+ Large platform made of tested seca Bearclaw Glass® for absolute breakage resistance and perfect hygiene
+ Glass surface is easy to clean and disinfect (more hygienic than plastic)
+ Adjustable damping for fast and accurate weighing
+ Expandable to measuring station with handrail
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

seca.com/scaleup

<table>
<thead>
<tr>
<th>Approval class</th>
<th>3D</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
</tr>
<tr>
<td>Functions</td>
<td>Display of user and patient name or ID, customizable shortcut buttons, TARE, Pre-TARE, mother-child function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, Wi-Fi, Ethernet</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Ultrasonic height measurement seca 257 in combination with adapter seca 464 + Handrail seca 455</td>
</tr>
</tbody>
</table>
seca 635
EMR-validated flat scale with extra-large platform

+ Extra-large platform with 300 kg capacity
+ Cable remote display for wall mounting or table installation
+ Includes BMI calculator and three-stage damping
+ Wide range of functions: TARE, pre-TARE, HOLD and Auto-HOLD
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

seca 899
Digital flat scale with cable remote display

+ Cable remote display for wall mounting or table installation
+ Robust and durable seca quality
+ Support feet for strong stability
+ Can be powered with batteries for mobile use or a power adapter for stationary use

seca 878
Flat scale with foot switches and double display

+ Double display lets the doctor and patient read simultaneously
+ Can weigh 10,000 times with a single set of batteries
+ May be used standing up thanks to the foot switches
+ Mother+child function to weigh toddlers

## Approval class
- seca 635: K1
- seca 899: K1
- seca 878: K1

## Capacity
- seca 635: 300 kg
- seca 899: 200 kg
- seca 878: 200 kg

## Graduation
- seca 635: 100 g < 200 kg < 200 g
- seca 899: 100 g < 150 kg < 200 g
- seca 878: 100 g < 150 kg < 200 g

## Functions
- seca 635: TARE, HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, automatic switch-off, damping, SEND
- seca 899: TARE, HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, automatic switch-off
- seca 878: Mother-child function, HOLD, automatic switch-off

## Accessories
- Interface module seca 452
- USB adapter seca 456
- Stand for cable remote display seca 472
- Switch-mode power adapter 400
- Power adapter 447
- Stadiometer seca 217 in combination with adapter element seca 437
- Switch-mode power adapter 400
- Carrying cases seca 409 / seca 421 or seca 414 (for combination with stadiometer and adapter element)
- Power adapter 447
- Switch-mode power adapter 400
- Carrying cases seca 409 / seca 421 or seca 414 (for combination with stadiometer and adapter element)
seca 877

Digital flat scale with foot pedal

+ Precise weighing technology for medical use
+ May be used standing up thanks to the foot pedals and tap-on function
+ Support feet for increased stability
+ Can weigh 10,000 times with a single set of batteries
+ Mother+child function to weigh toddlers

<table>
<thead>
<tr>
<th>Approval class</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>200 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>100 g ≤ 150 kg &gt; 200 g</td>
</tr>
<tr>
<td>Functions</td>
<td>Mother+child function, tap-on automatic switch-on, automatic switch-off</td>
</tr>
</tbody>
</table>
| Accessories    | + Stadiometer seca 217 in combination with adapter element seca 437  
                 + Carrying cases seca 409 / seca 415 or seca 414 (for combination with stadiometer and adapter element) |

Tap-on function for weighing without turning on the scales.

seca 878 dr

Flat scale with customizable label

+ Customizable label helps minimize scale misplacement
+ Inexpensive, reliable and durable: seca quality that pays off
+ Double display allows the doctor and patient to read simultaneously
+ Leveling feet for strong stability
+ Mother+child function for hassle-free weighing of toddlers

seca.com/doctorscale

seca 761

Mechanical flat scale with 1 kg graduation

+ Robust construction
+ Large, easy-to-read circular scale
+ Large, non-slip mat
+ Precise and durable
+ Clip fixation system for easy rubber-mat exchange
+ Galvanized mechanics

<table>
<thead>
<tr>
<th>Approval class</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>150 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>1 kg</td>
</tr>
<tr>
<td>Functions</td>
<td>Reset-to-zero function</td>
</tr>
</tbody>
</table>

Possible combination seca 899 / 878 / 877 / 878 dr, seca 217, seca 437 and seca 414

Mobile measuring and weighing system for schoolchildren and adults

+ Combined measuring and weighing of schoolchildren and adults
+ Digital flat scale and stadiometer with adapter element practically stowed in a spacious carrying case

seca.com/doctorscale
Height measuring systems

When the quality is right, so are the measurements.

Measuring rods and circumference measuring tapes are relatively simple devices in routine medical work – however, they still have to fulfill challenging clinical requirements. That’s why seca offers non-abrasive measurement scales and parts made of distortion-resistant anodized aluminum. For quality you can feel – in devices that transmit your data at the touch of a button and in headpieces that always glide smoothly into position to guarantee consistently precise measurements.

seca 274
EMR-validated, freestanding stadiometer with digital display

+ Digital height measurement: comfortable and precise
+ Precise head alignment by the seca Frankfurt Line
+ High-quality glass platform with heel plate
+ Sliding headpiece with backlit digital display
+ Leveling feet provide a very stable base
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>30 - 220 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
<tr>
<td>Functions</td>
<td>HOLD, automatic switch-off, SEND</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ USB adapter seca 456</td>
</tr>
</tbody>
</table>

With the patient’s head precisely positioned, the seca Frankfurt Line guarantees exact measurements.

The leveling feet provide a stable base, even on uneven surfaces.
seca 264

Wall-mounted, EMR-validated stadiometer with display on the headpiece

+ Digitally measures small children and adults
+ Frankfurt Line for precise head alignment
+ Backlit LCD display in headpiece
+ Non-slip rubber mat with heel positioner
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>30 – 220 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
<tr>
<td>Functions</td>
<td>HOLD, automatic switch-off, SEND</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ USB adapter seca 456</td>
</tr>
</tbody>
</table>

The backlit display on the headpiece is very easy to read.

The easy-to-clean mat of the seca 264 puts the patient’s feet in the right position and gives the patient a feeling of safety and comfort.
seca 217

Stable stadiometer for mobile height measurement

+ Parts fit together perfectly for easy transport
+ Wall spacer for additional stability
+ Robust platform for secure stance
+ Includes heel positioner for optimal three-point height measurement
+ Adapter element seca 437 for combination with a flat scale

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>20 – 205 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ Adapter element seca 437 (for combination with flat scale seca 899, seca 879 or seca 877)</td>
</tr>
<tr>
<td>+ Carrying cases seca 412 or seca 409 / seca 414 (for combination with scale and adapter element)</td>
</tr>
</tbody>
</table>

The adapter element seca 437 connects the stadiometer to a flat scale.

The wall spacer provides extra stability and ensures precise measurement results.

The robust base plate guarantees a sturdy stance.

seca 213

Portable stadiometer

+ Simple and easy to set up – no wall fastening necessary
+ Large floor plate ensures stability
+ Includes heel positioner for ideal three-point measurement
+ The measuring rod can be dismantled and stored securely in the base for easy transport

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>20 – 205 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ Carrying case seca 412</td>
</tr>
</tbody>
</table>

The integrated handle and securely locking parts make the stadiometer easy to carry.

Large base for patient stability.

seca 222

Mechanical telescopic measuring rod with large measuring range

+ Telescopic, durable aluminum measuring rod with large measurement range up to 230 cm
+ Includes heel positioner for ideal three-point measurement
+ Developed for wall installation

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>6 – 230 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ Carrying case seca 412</td>
</tr>
</tbody>
</table>

The foot positioner ensures exact positioning and precise measurements.

Height measuring systems
### seca 216
**Mechanical measuring rod for children and adults**

- Easy-to-read measurement scale
- Adjustable head positioner
- Choice of two units of measurement
- Simple assembly

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>max. 138 cm, variable from 3.5 – 230 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

Whether for children or adults – the measuring range can be adjusted as needed.

The graduation index can be fixed in place with the locking screw.

---

### seca 206
**Mechanical measuring tape**

- Space-saving, roll-up mechanism
- Simple read-out of results through display window
- Durable tape made of metal

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>0 – 220 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

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### seca 203
**Ergonomic circumference measuring tape with extra Waist-To-Hip-Ratio calculator (WHR)**

- Retractable measuring tape for precise body measurements
- WHR calculator for quick determination of body fat distribution
- WHR scale of metal for long life

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>0 – 205 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
<tr>
<td>Function</td>
<td>WHR calculator</td>
</tr>
</tbody>
</table>

The seca 203 circumference measuring tape also has a scale that determines the waist-to-hip ratio (WHR).

---

### seca 201
**Ergonomic circumference measuring tape**

- Retractable measuring tape for precise body measurements
- Printed scale on side makes results easy-to-read
- Convenient one-handed operation fasten start of tape to retraction mechanism
- Compact and easy to store

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>0 – 205 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
<tr>
<td>Function</td>
<td>WHR calculator</td>
</tr>
</tbody>
</table>

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Handrail scales

Firm support for safe weighing.

Handrail scales from seca offer every patient a secure grip and are the best fall prevention when weighing. They are designed to be easily accessible and to weigh precisely, no matter where and how the patient is supported. Safe access and support options simplify workflows and save staff the hassle of careful positioning of the patient or adjustments to the scale before weighing. Practical features such as transport wheels and folding functions make the large scales transportable and storable.
sec Scale-up Line

EMR-validated handrail scale with ID-Display and optional height measurement

+ Display shows user and patient names or IDs for increased patient safety
+ Data transmission controlled by touchscreen
+ Safe weighing with a stable handrail
+ Lightweight, sophisticated design and extremely robust thanks to steel handrail that is directly attached to the cast iron pedestal
+ Large platform made of tested seca Bearclaw Glass® for absolute breakage resistance and perfect hygiene
+ Optional: Precise, fast and hands-free height measurement with modern ultrasonic technology
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

sec.com/scaleup

The displayed user and patient name offer greater control and increases patient safety.

Illuminated LED footprints in the weighing platform show patients the correct standing position for accurate height measurement.

sec Scale-up Line

EMR-validated handrail scale with ID-Display and optional height measurement

<table>
<thead>
<tr>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approval class</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Graduation</td>
</tr>
<tr>
<td>Functions</td>
</tr>
<tr>
<td>Accessories</td>
</tr>
</tbody>
</table>

Ultrasonic height measurement

| Measuring range | 100 – 220 cm |
| Graduation | 1 mm |
| Functions | Automatic calibration |

Order code ON SHM AUT NN
+ Flat scale seca 655
+ Handrail seca 455
+ Ultrasonic height measurement seca 257

Order code ON SHM ANT NN
+ Flat scale seca 655
+ Handrail seca 455

With the cuddly panda seca 459 measuring is playful and fun for children.

Nearly effortless transport with extremely robust rubber wheels.
**seca 685**

EMR-validated multifunctional scale

- Safe weighing of standing, sitting or wheelchair patients
- Large, easy to access platform
- Wheel barrier provides extra safety
- Integrated fold down seat
- Easy to read display
- Mobile due to integrated transport wheels
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Approval class</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>100 g &lt; 200 kg &gt; 200 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, SEND</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Interface module seca 452 + USB adapter seca 456</td>
</tr>
</tbody>
</table>

**seca 645**

EMR-validated handrail scale with generous platform

- Safe weighing due to sturdy handrail
- Large non-slip platform with 300 kg capacity
- Swiveling display
- With a BMI calculator and damping system
- Mobile due to transport wheels
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Scale</th>
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<tbody>
<tr>
<td>Approval class</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Graduation</td>
</tr>
<tr>
<td>Functions</td>
</tr>
<tr>
<td>Accessories</td>
</tr>
</tbody>
</table>

**Measuring rod seca 223 (optional)**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>6 – 230 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

- The display can be rotated in every direction.
- Thanks to the ramp, wheelchairs can be wheeled on with ease and comfort.
- The rotating display can be oriented towards the patient or medical personnel.
- The display can be rotated in every direction.
- Because the handrail is part of the weight sensitive area, measurements are absolutely sure even if the patient supports himself on it.
Wheelchair scales

Remove barriers with wheelchair scales from seca.

Weighing immobile patients can be a complicated process, but it doesn’t have to be. The weighing solutions from seca offer the possibility of weighing patients in wheelchairs or even in hospital beds. The low-level, generously dimensioned platforms with ramps and other innovative functions guarantee comfortable, effortless and precise weighing.

**sec 677**

EMR-validated wheelchair scale with handrail and transport wheels

+ Large wheelchair accessible platform
+ Convenient and foldable to save space
+ Mobile due to transport wheels
+ Handrail as a standing aid
+ Non-slip rubber mat
+ Two ramps included
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th><strong>Approval class</strong></th>
<th><strong>Capacity</strong></th>
<th><strong>Graduation</strong></th>
<th><strong>Functions</strong></th>
<th><strong>Accessories</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300 kg</td>
<td>100 g &lt; 200 kg &gt; 200 g</td>
<td>TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, SEND</td>
<td>+ Interface module seca 452 + USB adapter seca 456</td>
</tr>
</tbody>
</table>

The scale can be folded for easy transport. Integrated ramps on both sides allow for the safe and comfortable operation with a wheelchair.
seca 665

EMR-validated electronic wheelchair scale

- Side rails on the platform ensure safe rolling of a wheelchair onto and from the scale
- High capacity of up to 300 kg
- Flat platform with self-lowering ramps
- Two ramps included
- Easy to fold together and transport
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class: III
Capacity: 300 kg
Graduation: 100 g < 200 kg > 200 g
Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, automatic switch-off, auto weighing range switch-over, damping, SEND

Accessories:
- Interface module seca 402
- USB adapter seca 456

The seca 665 simply folds up and moves easily across the floor on wheels.

The platform's side rails keep a wheelchair safe and secure.
seca 657

EMR-validated electronic platform scale with innovative memory function

- Especially spacious platform for all common wheeled systems
- Stable construction with very high capacity
- Transportable due to wheels and integrated handles
- Two ramps included
- Innovative memory function for determining precise weight of patient
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class: III
Capacity: 300 kg
Graduation: 100 g < 200 kg > 200 g
Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND
Accessories: + Interface module seca 452
+ USB adapter seca 456
+ Stand for cable remote display seca 472

The seca 657 can determine weight without requiring the patient to leave the bed or stretcher.

Due to the wheels and integrated handles, the seca 657 can be easily stowed away to save space.

seca 675

EMR-validated electronic platform scale

- Generously sized platform with high capacity of up to 300 kg
- Flexible cable remote display with 2.3 m cable length
- Suitable for weighing persons in a wheelchair or on a chair
- Transport wheels and integrated handles for mobile use
- Includes ramp for easy rolling onto the scale
- EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

Approval class: III
Capacity: 300 kg
Graduation: 100 g < 200 kg > 200 g
Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, auto weighing range switch-over, damping, automatic switch-off, SEND
Accessories: + Interface module seca 452
+ USB adapter seca 456
+ Stand for cable remote display seca 472

Accessory seca 472
Stand for cable remote display

+ Stable solution for cable remote display of the scales seca 635, seca 657 and seca 675
Chair scales

Competence takes the chair.

How can you gently and carefully weigh bedridden patients or people who are unsteady on their feet? The best choice is a seca chair scale, which you can take directly to the patient. That saves you – and nursing staff – from unnecessary steps.

seca 959
EMR-validated chair scale with precise graduation

+ 50 g graduation for exact measurement while sitting
+ Fold-up arm and footrests for easy access
+ Ergonomic seat for increased patient comfort
+ Sophisticated engineering and robust construction for a long lifespan
+ Suitable for patients affected by obesity with up to 300 kg weighing capacity
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

<table>
<thead>
<tr>
<th>Approval class</th>
<th>OR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g &lt; 250 kg &gt; 200 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Interface module seca 452  + USB adapter seca 456  + Battery for longer mobile use seca 454</td>
</tr>
</tbody>
</table>

With its exceptionally high capacity of up to 300 kg, the BMI function and options to use mains or battery power, the chair scale seca 959 is ideal for use in any situation.

The large footrests can be folded completely out of the way so that the patient can safely and comfortably take a seat.
seca 956
Chair scale for weighing while seated

+ The simple solution for patients with decreased mobility
+ Fold-up arm and footrests make sitting down easy
+ Ergonomic seat for increased patient comfort
+ Wheels include brakes to ensure the scale stays in place when needed
+ Intuitive user interface simplifies use
+ Offers all essential functions for maximum efficiency

The seca 956 runs on batteries for mobile use and offers a capacity of up to 200 kg.

The footrests can be folded away to make it easier for patients to stand up and sit down.

<table>
<thead>
<tr>
<th>Approval class</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>200 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>100 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, HOLD, automatic switch-off</td>
</tr>
</tbody>
</table>
Specialized scales

Small size, big help.

As a specialist for medical measuring and weighing, seca naturally offers solutions for special applications. For instance, the splash-protected organ and diaper scale and the extremely precise portion and diet scale for clinical nutritionists.

**seca 856**

Digital organ and diaper scale with stainless steel cover

- Complete stainless steel-surface reduces contamination
- Easy to clean and disinfect
- Scale completely sealed from moisture
- Pre-TARE function for permanent use with the container of your choice
- Increase in metal housing protects display from liquid

<table>
<thead>
<tr>
<th>Approval class</th>
<th>unapproved</th>
</tr>
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<tbody>
<tr>
<td>Capacity</td>
<td>5 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>1 g &lt; 3 kg &gt; 2 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, Pre-TARE, HOLD, automatic switch-off</td>
</tr>
</tbody>
</table>

**seca 852**

Digital portion and diet scale

- Gram-precise display for the accurate weighing of food
- Scale can be stowed in compact bowl
- Food-safe plastic bowl is easy to clean
- High 3,000 gram capacity
- With TARE function

<table>
<thead>
<tr>
<th>Approval class</th>
<th>unapproved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>3 kg</td>
</tr>
<tr>
<td>Graduation</td>
<td>1 g</td>
</tr>
<tr>
<td>Functions</td>
<td>TARE, automatic switch-off</td>
</tr>
</tbody>
</table>

The stainless steel surface is tough and easy to clean.

The fine graduation of just one gram permits precise weighing.

The scale can be conveniently stored within the compact bowl.
See more than just weight and height – the validated BIA solution for medical use.

Height and weight alone are not enough when it comes to taking a deeper look at body composition. After all, what about the proportions of fat, muscle or water? These are important parameters to support diagnosis and therapy. That’s exactly why we at seca developed medical Body Composition Analyzers which provide all of these values and have been validated\(^1\)\(^2\) against the medical science gold standard: this makes it possible to determine the fat mass, visceral fat, extracellular and intracellular water and skeletal muscle mass with medical precision. In short: The seca mBCA devices are innovative instruments to support diagnosis and therapy control and enable successful patient consultations.


Medical Body Composition Analyzers

Where BMI ends, the seca medical Body Composition Analyzers begin.

seca mBCA 515
Medical Body Composition Analyzer for determining body composition while standing

+ Unique accuracy through whole body MRI validation and 4C model
+ Handrail with fixed handle positions: Measurements are reproducible and reliable
+ Validation studies are bundled and published in the European Journal of Clinical Nutrition 2013/2017, among others
+ Measuring time is only 17 seconds
+ Possible to evaluate the measurement directly on the monitor
+ Quick to understand and clear graphics with normal ranges
+ Easy-to-use, 360° rotatable touchscreen
+ Extra-large platform: Enough space even for extremely tall people or people affected by severe obesity
+ Scientific mode may be selected, ideal for studies, science and teaching
+ Three handle options for finer graduation of arm posture and measurement height
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

mbca.seca.com
seca mBCA 555

Medical Body Composition Analyzer with optional ultrasonic height measurement

+ Unique accuracy through whole body MRI validation (skeletal muscle mass) and 4C model (fat mass)
+ Handrail with fixed handle positions: Measurements are reproducible and reliable
+ Validation studies are bundled and published in the European Journal of Clinical Nutrition 2013/2017, among others
+ Measuring time is only 24 seconds
+ Graphics which are fast and easy to understand with normal ranges
+ The evaluation uses seca analytics 125 software
+ Foot-mounted LEDs embedded in the platform show the various positions and give patients a sense of safety and orientation
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

seca.com/555

<table>
<thead>
<tr>
<th>mBCA</th>
<th>Approval class</th>
<th>HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>300 kg</td>
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</tr>
<tr>
<td>Graduation</td>
<td>50 g &lt; 150 kg &gt; 100 g</td>
<td></td>
</tr>
<tr>
<td>Display type</td>
<td>4.3” tiltable and rotatable touchscreen</td>
<td></td>
</tr>
<tr>
<td>Connectivity</td>
<td>Wi-Fi, Ethernet</td>
<td></td>
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<tr>
<td>Ports</td>
<td>USB for barcode scanner</td>
<td></td>
</tr>
<tr>
<td>Measurement method</td>
<td>8-point Bioelectrical Impedance Analysis</td>
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<td>Measurement current</td>
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<td></td>
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<tr>
<td>Measurement duration</td>
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<td></td>
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<tr>
<td>Software</td>
<td>seca analytics 125</td>
<td></td>
</tr>
<tr>
<td>Required accessory</td>
<td>+ BIA handrail seca mBCA 550</td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Ultrasonic height measurement seca 257</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+ Barcode scanner mount seca 463</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+ Large transport wheel set seca 468</td>
<td></td>
</tr>
</tbody>
</table>

Ultrasonic height measurement seca 257

| Measuring range | 100 – 220 cm |
| Graduation | 1 mm |
| Functions | Automatic calibration |

Order code ON IHM ANT NN
+ BIA platform seca mBCA 555
+ BIA handrail seca mBCA 550
+ Ultrasonic height measurement seca 257

The illuminated footprints embedded in the glass platform show patients exactly where to stand. The display immediately indicates whether the electrodes have made contact and the measurement can start.
seca mBCA 525
Medical Body Composition Analyzer for determining body composition in a lying position

+ Specially designed and validated for mobile medical use
+ Patented measuring mat: BIA in supine position is finally comfortable, precise and easy
+ Lightweight and robust touchscreen monitor allows for direct evaluation
+ Unique accuracy through validation from a whole body MRI (skeletal muscle mass) and a 4C model (fat mass)
+ Validation studies are bundled and published in the European Journal of Clinical Nutrition 2013/2017, among others
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

mbca.seca.com

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
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<tbody>
<tr>
<td>Weight</td>
<td>3 kg</td>
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<tr>
<td>Dimensions (W x H x D)</td>
<td>252 x 262 x 230 mm</td>
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<td>Electrode type</td>
<td>Adhesive electrodes (PVC-free)</td>
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<tr>
<td>Display type</td>
<td>7” touchscreen</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Wi-Fi, Ethernet, seca 360° wireless technology</td>
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<td>Ports</td>
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<td>Measurement method</td>
<td>8-point Bioelectrical Impedance Analysis</td>
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<td>Frequencies</td>
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<td>Measured data storage</td>
<td>Up to 100,000 measurements</td>
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<td>Measurement duration</td>
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<td>Software</td>
<td>seca analytics 115</td>
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<td>Required accessories</td>
<td>+ BIA measuring mat seca 531</td>
</tr>
<tr>
<td></td>
<td>+ Charging tray seca 490 0018 for BIA measuring mat</td>
</tr>
<tr>
<td>Accessories</td>
<td>+ Smart Bucket seca mVSA 526</td>
</tr>
<tr>
<td></td>
<td>+ Rolling stand seca 475</td>
</tr>
<tr>
<td></td>
<td>+ Basket seca 490 0019 for stand</td>
</tr>
<tr>
<td></td>
<td>+ Carrying case seca 432</td>
</tr>
<tr>
<td></td>
<td>+ Single-use electrodes 490 0020</td>
</tr>
<tr>
<td>Consumables</td>
<td></td>
</tr>
</tbody>
</table>

The correct placement of the electrodes is illustrated on the measuring mat. Each measurement can only begin after an automatic electrode test.

The electrodes have an Easy Snap™ mechanism and can be quickly connected with the adhesive electrodes without applying any pressure.

Accessory seca mVSA 526
Smart Bucket for the seca mBCA 525®

+ Automatically recognizes connected components
+ Able to be mounted on the stand seca 475
+ Power supply via seca mBCA 525
+ Simple removal and clean storage of all components
+ Cable management: blood pressure, temperature, SpO₂, and bioelectrical impedance analysis

Included
- NIBP

Component options
- Masimo SET® SpO₂
- seca SpO₂ technology
- In-ear thermometer
- temperature probe (oral/axillary) or temperature probe (rectal)

Accessory seca 475
Rolling stand for mobile use

+ Easy mounting of the seca mBCA 525 for mobile clinical use
+ Convenient, height-adjustable and equipped with additional storage basket for documents, scanner or electrodes
seca mBCA Software
Do more with your measurement results.

With our software solutions, you can professionally document seca mBCA measurement results, evaluate them and illustrate any changes in body composition. Specific graphics adapted to everyday clinical practice play an integral role in patient motivation, diagnosis, consultation and treatment planning.

Make the body composition visible
The parameter models developed in collaboration with medical users provide a quick overview of individual nutritional status and help to immediately recognize functional disorders. In addition, parameter models used to answer specific questions can be individually compiled (such as for optimal treatment support in sarcopenia).

The cloud software that fits your needs
The software provides fast and secure access to all current and previously collected measurements even from home or on-the-go. Thanks to the new cloud-based software delivery, all administrative IT issues are taken care of for you. This frees up your time so you can fully concentrate on your clinical or medical work. Your data is securely stored and protected from data loss and third-party access. Stay up-to-date on research and science and benefit from the software’s continued maintenance and ongoing development.

All examination results for each patient can be compiled into a PDF of one or more pages. The findings can be customized for individual consultations.
VITAL SIGNS

Simply and routinely monitor vital signs with the seca EMR-validated spot-check monitor.

Monitoring vital signs is a time-consuming task in hospitals and medical practices. The seca mVSA was developed to support these routine checks and makes these measurements more efficient. The four vital parameters blood pressure, \( \text{SpO}_2 \), pulse rate, and temperature can be measured in one work step using the components integrated into the spot-check-monitor. The unique feature of the mVSA is the additional option to measure body composition consisting of fat mass, muscle mass, and body water through a Bioelectrical Impedance Analysis using the integrated measuring mat. You can measure the most important parameters and gain deeper insights into the health status of your patients. You thereby save time and gain additional certainty for the preparation of diagnoses and therapies.
Medical Vital Signs Analyzer

The world's first medical vital signs analyzer with a bioimpedance analysis option.

Medical Vital Signs Analyzer

Spot-check-monitor for customized configuration

+ Essential vital signs measurement of blood pressure, SpO₂, pulse and temperature
+ Quick and easy determination of body composition such as body fat, water and muscle mass with the optional BIA measuring mat seca mBCA 531
+ Easy-to-understand graphical presentation of the measurement results on the touchscreen monitor
+ Large internal memory for up to 70,000 measurements
+ Integrated lithium-ion battery in the monitor
+ EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system

mvsa.seca.com

Components

<table>
<thead>
<tr>
<th>Blood pressure</th>
<th>Body composition</th>
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</thead>
<tbody>
<tr>
<td>Sphygmomanometer cuffs (sizes S-XL)</td>
<td>seca mBCA 531</td>
</tr>
</tbody>
</table>

Oxygen saturation

| Masimo SET® SpO₂ finger clip for adults* | seca SpO₂ finger clip for adults |
| seca SpO₂ finger clip (soft) for adults | seca SpO₂ finger clip (soft) for children |

Temperature

<table>
<thead>
<tr>
<th>In-ear thermometer</th>
<th>Temperature probe (oral/axillary)</th>
<th>Temperature probe (rectal)</th>
</tr>
</thead>
</table>

Required accessory

Smart Bucket seca mVSA 526 (incl. NIBP)

Component options

Masimo SET® SpO₂ or seca SpO₂ technology

In-ear thermometer or temperature probe (oral/axillary) or temperature probe (rectal)

BIA measuring mat seca mBCA 531

Accessories

+ Rolling stand seca 475
+ Stand mount seca 490 0017
+ Charging tray seca 490 0018 for BIA measuring mat
+ Carrying case seca 432
+ Sphygmomanometer cuff sizes S-XL 490 0001 to 490 0004
+ Extension tube 490 0005 for sphygmomanometer cuff
+ Extension cord 490 0012 for seca SpO₂
+ Extension cord 490 0013 for Masimo SET® SpO₂

Consumables

+ Single-use electrodes 490 0020 for BIA measurement
+ Probe covers (in-ear thermometer) 490 0016
+ Probe covers (oral/axillary, rectal) 490 0015

* The seca mVSA is compatible with all available Masimo SET® SpO₂ sensors.

seca mVSA is only available in certain countries.
The integrated rechargeable battery and the stand guarantee high mobility and independence. It is not necessary to be tethered to an external power source during the workday.

The elegant concept enables the simple removal and easy storage of all components.

Simple scanning of the patient ID using a USB scanner in order to avoid mix-ups with patient assignment and transmission errors.

It is also possible to measure the vital parameters of children – no additional device required.

Required accessory seca mVSA 526

Smart Bucket for the seca mVSA 535

+ NIBP measurement included
+ Automatically recognizes connected components and stows them in clear view for easy removal
+ Cable management: blood pressure, temperature, SpO₂ and bioelectrical impedance analysis
+ Large internal memory for up to 70,000 measurements
+ Does not require an additional power source
+ Able to be mounted on the stand seca 475

Accessory seca 475

Rolling stand for mobile use

+ Easy mounting of the seca mVSA 535 with the required stand mount seca 490 0017 for mobile clinical use
+ Expandable by charging tray seca 490 0018 for BIA measuring mat

Order code ON VBB IIN NN

Spot-Check-monitor with NIBP, Masimo SpO₂ technology and temperature probe (oral/axillary)

Included

Spot-Check-monitor seca mVSA 535
Smart Bucket seca mVSA 526
Sphygmomanometer cuff size M 490 0002
Masimo SET® SpO₂ finger clip for adults
Extension cord 490 0013 for Masimo SET® SpO₂
Temperature probe (oral/axillary)
Probe covers (oral/axillary, rectal) 490 0015

Accessories

+ Rolling stand seca 475
+ Stand mount seca 490 0017
+ Carrying case seca 432
+ Sphygmomanometer cuff sizes S-XL 490 0001 to 490 0004
+ Extension tube 490 0005 for sphygmomanometer cuffs

Consumables

+ Probe covers (oral/axillary, rectal) 490 0015

Spot-Check-monitor with NIBP, BIA measuring mat, seca SpO₂ technology and in-ear thermometer

Included

Spot-Check-monitor seca mVSA 535
Smart Bucket seca mVSA 526
Sphygmomanometer cuff size M 490 0002
BIA measuring mat seca mBCA 531
seca SpO₂ finger clip for adults 490 0006
Extension cord 490 0012 for seca SpO₂
In-ear thermometer
Probe covers (in-ear thermometer) 490 0016
Single-use electrodes 490 0020 for BIA measurement

Accessories

+ Rolling stand seca 475
+ Stand mount seca 490 0017
+ Charging tray seca 490 0018 for BIA measuring mat
+ Carrying case seca 432
+ Sphygmomanometer cuff sizes S-XL 490 0001 to 490 0004
+ Extension tube 490 0005 for sphygmomanometer cuffs

Consumables

+ Probe covers (in-ear thermometer) 490 0016
+ Single-use electrodes 490 0020 for BIA measurement
INTEGRATION

Ready for the hospital of the future – all measured data is instantly available in the electronic medical record.

Digital processes in everyday hospital life not only save costs and time, above all else, they increase patient safety. Transcription errors such as transposed numbers, comma errors or swapped patient names can lead to serious drug dosing inaccuracies in the worst case. At best, they’re just an additional burden for the personnel and a cause of inefficient work processes (lost measurement results, duplicate measurements). seca integration solutions eliminate a large part of the manual transmission errors from the outset, effectively relieve personnel and help to ensure a zero incident environment.

seca integration solutions

All measuring results are immediately sent to the Electronic Medical Record (EMR).

With our seca integration solutions, you are sustainably equipped to make work processes more efficient and, above all, safer. seca is the only scale provider that can completely integrate encrypted height, weight and other vital signs into the Electronic Medical Record (EMR).

All integration advantages at a glance

+ **Patient safety**
  Transmission errors and resulting medication inaccuracies are a thing of the past.

+ **User safety**
  The new workflow gives users a sense of security and provides relief. Manual transmission errors are reduced and duplicate measurements caused by missed or lost data are avoided.

+ **Central data availability**
  Correct patient data is provided centrally in real time and may, for example, be retrieved in the hospital from each station.

+ **Future security**
  With the integration of weight and height, you’re one step closer to full system integration. You save money, increase process reliability and show your patients what modern measuring and weighing can look like.

What only seca can offer you

+ **Data integration**
  To integrate seca devices into your digital processes, we support established and validated exchange formats (such as HL7, JSON, CSV, XML) and also provide validated system solutions for partner companies like Cerner.

+ **Wireless connection**
  seca devices are integrated into existing network infrastructures using secure authentication methods (such as TLS encryption).

+ **Scalable integration platform**
  seca devices are integrated, managed and monitored via a central gateway. In addition, software updates can be automatically imported from a central point to connected devices.

+ **Data security**
  Encrypted communication between devices and the server protects sensitive patient data.

+ **User friendly**
  We contribute not only our equipment and technical expertise. You also benefit from our experience and expertise in efficiently implementing integration projects. We never lose sight of your needs and technical requirements.

+ **Everything from one place**
  Hardware and software come centrally and directly from seca.

+ **We’re here to help**
  Our integration team accompanies and supports you from the beginning to going live and beyond. Specially developed questionnaires and documentation templates enable a successful project flow.

+ **Maintenance and support**
  Continuous maintenance and further development of the software as well as competent contact partners in worldwide support.

Simple and secure: workflow with seca integration solutions

We offer you a variety of workflows that fit perfectly into your daily routine. The example shows you the process of integrating scales and measuring stations in a hospital.

1. Identify user
2. Identify patient
3. Measure weight and height
4. Send measurement results to your EMR system at the touch of a button
5. Green LEDs confirm data integration
6. Secure integration into your EMR system
We make complex matters simple

In order for weight and height to be smoothly integrated in the electronic medical record, the EMR system, network infrastructure and your seca products need to be coordinated and they need to “understand” each other. That’s exactly what the seca integration solution makes possible with the use of seca software. In the process, our software just runs in the background. The seca scale or measuring station controls the transmission of measuring results and also displays the successful transmission.

Professional project management with the seca integration team

No two medical facilities are alike. So that EMR integration is perfectly matched to your IT system and your workflows, we adapt the integration project to your respective requirements and needs. For this purpose, seca has developed a three-stage project management process that will surely lead you to successful EMR integration.

1. Preparation
We present you with the comprehensive possibilities of seca integration solutions and would love to give you a live demonstration. Our team takes the time to understand your challenges and technical requirements.

2. Implementation
At the beginning of the project, we set up schedules and checklists that are tailored to your challenges. Afterwards, the different integration steps will be accompanied and executed by our team.

3. Going live and service
Before integration goes live, all processes are thoroughly tested by our specialists. Our service doesn’t end once the system goes live. User trainings, worldwide service and software updates offer an allround worry-free package.

Integration in all EMR systems

For customers who already work with Cerner, our integration solution is particularly easy since it has been validated for Cerner CareAware VitalsLink™.

In the steadily growing EMR market, we also offer solutions for many other systems. Contact our experienced team of experts for your individual system integration solution.

Dr.-Ing. Richard Mietz
Team Manager Integration Solutions International
seca gmbh & co. kg,
Hamburg, Germany

EMR-validated seca products

<table>
<thead>
<tr>
<th>Baby scales</th>
<th>Measuring stations</th>
<th>Column scales</th>
<th>Flat scales</th>
<th>Height measuring systems</th>
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<tbody>
<tr>
<td>seca 757</td>
<td>seca Scale-up Line</td>
<td>seca 704</td>
<td>seca 651</td>
<td>seca 274</td>
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<td>seca 336</td>
<td>seca 287</td>
<td>seca 635</td>
<td>seca 264</td>
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<td>seca 376</td>
<td>seca 285</td>
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<table>
<thead>
<tr>
<th>Handrail scales</th>
<th>Wheelchair scales</th>
<th>Chair scales</th>
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<th>mVSA</th>
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<td>seca 950</td>
<td>seca mBCA 515</td>
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<td>seca 645</td>
<td>seca 665</td>
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<td>seca mBCA 555</td>
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<td>seca 657</td>
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<td>seca mBCA 525</td>
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<tr>
<td>seca 675</td>
<td>seca 675</td>
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</tr>
</tbody>
</table>

EMR-validated seca products

In the steadily growing EMR market, we also offer solutions for many other systems. Contact our experienced team of experts for your individual system integration solution.

Free consultation

+49 40 20 00 00 0  +44 121 643 9349
seca headquarters  seca united kingdom
integration.seca.com
SERVICE

Maintenance, spare parts, software support: pre- and post-sales service from seca ensures your hospital or practice run smoothly.

seca accompanies you throughout all areas of service before and after your purchase: whether it be product demonstrations, phone service or software support. We ensure you are never left alone guaranteeing a smooth-running operation in your hospital or practice. That’s what we stand for with our award-winning and certified service.
How our seca service brings you relief

Distinguished worldwide—developed for your needs: our seca service.

Award-winning seca service not only ensures the installation and integration of our products. We also offer customized services worldwide, like our repair service, our calibration and adjustment service or customized product and interpretation trainings.

seca product demonstration
Would you like a comprehensive consultation to help you choose the right seca product? No problem! seca regional sales specialists or our seca partners will gladly come to your business and show you the seca models you selected.

seca product trainings
We make you into a seca professional. We train you and your staff on the practical use of your seca product – with our BIA devices, among other things, in the interpretation of parameters. And that with a focus on your individual medical specialty.

seca integration solutions
seca takes care of the complete integration of your seca devices into your EMR system. After a detailed analysis of the status quo of your digital infrastructure, we’ll accompany the integration up to the first transmission of readings and beyond with regular software updates and the maintenance of your device.

seca repair service
We repair scales of all manufacturers quickly, easily and inexpensively including packaging. You’ll get your scale back within a matter of days!

seca calibration service
The seca calibration service package includes all services related to maintenance, calibration, adjustment and disinfection of your scales – including a recalibration success guarantee.

seca 8 year warranty*
seca offers 4 year warranty for all digital medical scales (calibration class III). The guarantee of all wireless scales (calibration class III) can be extended up to 8 years.

* The 8 year warranty is valid only in the United Kingdom and does not include the seca medical Body Composition Analyzers.

Free consultation
secaheadquarters
+49 40 20 00 00 0
Monday – Friday 8.00 am – 5.45 pm (CET)

seca united kingdom
+44 121 643 9349
Monday – Thursday 8.45 am – 5.00 pm (GMT)
Friday 8.45 am – 4.45 pm (GMT)
## Baby scales

### Technical data

#### seca 745
- EMR-validated baby scale with sliding weights

#### seca 834
- 2-in-1 mobile baby scale and flat scale for toddlers

#### seca 384
- 2-in-1 mobile baby scale and flat scale for toddlers

#### seca 376
- EMR-validated baby scale with extra large weighing tray

#### seca 385
- EMR-validated baby scale with Wi-Fi function

#### seca 336
- Electronic baby scale for space-saving use

#### seca 757
- EMR-validated baby scale with very precise graduation

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>seca 745</th>
<th>seca 834</th>
<th>seca 384</th>
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<td>552 x 164 x 364 mm</td>
<td>552 x 164 x 364 mm</td>
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<tr>
<td>Power supply</td>
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<td>Batteries, power adapter optional</td>
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<td>Batteries, power adapter optional</td>
<td>Batteries, power adapter optional</td>
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</table>

### FUNCTIONS

- **TARE**
- **BMIF**
- **HOLD**
- **HOLD**
- **Auto-HOLD**
- **Auto weighing range switch-over**
- **Damping**
- **Reset-to-zero function**
- **Acoustic signals can be activated**
- **RESET**
- **Automatic switch-off**
- **SEND/Auto-SEND**
- **Confirm button**
- **Wi-Fi**
- **Ethernet**

### ACCESSORIES

- **USB adapter**
- **interface module**
- **Mobile cart**
- **Measuring rod**
- **Measuring board**
- **Power adapter**
- **Carrying case**
- **Battery for longer mobile use**
- **Backpack**
- **Battery pack**

### AREAS OF APPLICATION

- **Mobile weighing**
- **EMR-VALIDATED to any EMR system**

---

92 | 93
## Measuring stations

**seca Scale-up Line**
- EMR-validated ultrasonic measuring station with ID-Display
- EMR-validated ultrasonic measuring station with voice guidance
- EMR-validated measuring station with ID-Display and handrail

**seca 287**
- EMR-validated ultrasonic measuring station

**seca 285**
- EMR-validated measuring station for height and weight

**Order code:**
- ON SMM AUT NN
- ON SHM AUT NN

### TECHNICAL DATA

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<thead>
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<th>seca Scale-up Line</th>
<th>seca Scale-up Line</th>
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<th>seca 285</th>
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<td>50 &gt; 150 kg</td>
<td>50 &gt; 150 kg</td>
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<tr>
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### FUNCTIONS

- TARE
- Pre-TARE
- Mother+child function
- HOLD
- Auto-HOLD
- Auto-BMI
- BMI
- CLEAR
- Auto-CLEAR
- Auto weighing range switch-over
- Sensing
- Backlighting
- Acoustic signals can be activated
- Reset
- Zero
- Optional automatic calibration
- Optional automatic switch-off
- SEND/Auto-SEND
- Interface module
to transmit measurements to EMR systems

### INCLUDED

- Flat scale
- Ultrasonic height measurement
- Handrail

### ACCESSORIES

- Interface module
- USB adapter
- Handrail
- Barcode scanner mount
- Handrail for seca Scale-up Line
- Luggage set
- Luggage set for seca Scale-up Line
- EMR-VALIDATED to any EMR system

---

## Accessories for measuring stations

**seca 452**
- Interface module to transmit measurements to EMR systems

**seca 456**
- USB adapter for data reception on PC

**seca 455**
- Handrail for seca Scale-up Line
- Luggage set for seca Scale-up Line
- EMR-VALIDATED to any EMR system

**seca 458**
- Luggage set

**seca 459**
- Handrail for seca Scale-up Line

**seca 468**
- Large transport wheel set for seca Scale-up Line

### TECHNICAL DATA

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<thead>
<tr>
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<td>801 x 1,120 x 540</td>
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<td>Weight (g)</td>
<td>180</td>
<td>12</td>
<td>7</td>
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## TECHNICAL DATA

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<th>seca 285</th>
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<td>Weight (g)</td>
<td>180</td>
<td>12</td>
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<td>200</td>
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## Technical data
Column scales

Accessories for column scales

TECHNICAL DATA

**Column scales**

- **seca 704**: EMR-validated column scale with 300 kg capacity
- **seca 704**: EMR validated column scale with stadiometer
- **seca 706**: Electronic column scale with BMI function
- **seca 711**: Mechanical column scale with eye-level beam
- **seca 716**: Mechanical column scale with BMI display and evaluation

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Measuring range</th>
<th>Graduation</th>
<th>Dimensions (W x H x D)</th>
<th>Weight</th>
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<tr>
<td>300 kg</td>
<td>60–200 cm</td>
<td>1 mm</td>
<td>95 x 113 x 35 mm</td>
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<tr>
<td>100 kg</td>
<td>60–200 cm</td>
<td>1 mm</td>
<td>85 x 23 x 10 mm</td>
<td>12 g</td>
</tr>
<tr>
<td>220 kg</td>
<td>60–200 cm</td>
<td>1 mm</td>
<td>57 x 1,480 x 286 mm</td>
<td>700 g</td>
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<tr>
<td>160 kg</td>
<td>60–200 cm</td>
<td>1 mm</td>
<td>57 x 2,020 x 286 mm</td>
<td>1.4 kg</td>
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<td>500 g</td>
<td>60–200 cm</td>
<td>1 mm</td>
<td>380 x 670 x 44 mm</td>
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**ACCESSORIES**

- Interface module seca 452
- USB adapter seca 456
- Measuring rod seca 220, seca 224
- Power adapter 447, 400
- Panda seca 459

EMR VALIDATED

To any EMR system.

**Accessories for column scales**

- **Interface module**: to transmit measurements to EMR system
- **USB adapter**: for data reception on PC
- **Telescopic measuring rod**: for column scales seca 704, seca 706 and seca 711
- **Telescopic measuring rod**: for column scales seca 704, seca 706 and seca 756
- **Panda** for seca 704, seca 706 and seca 756

**TECHNICAL DATA**

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<tr>
<th>Measuring range</th>
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<td>57 x 2,020 x 286 mm</td>
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<tr>
<td>380 x 670 x 44 mm</td>
<td>1 mm</td>
<td>380 x 670 x 44 mm</td>
<td>550 g</td>
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**FUNCTIONS**

- TARE
- Pre-TARE
- Mother+child function
- HOLD
- Auto-HOLD
- BMI
- SEND/Auto SEND
- Auto CLEAR
- Auto weighing range switch-over
- Weighing range switch-over
- Wi-Fi/Ethernet
- Reset-to-zero function
- Acoustic signals can be activated
- RESET
- Automatic switch-off
- Damping
- Integrated measuring rod
- Transport wheels

**ACCESSORIES**

- Interface module seca 452
- USB adapter seca 456
- Measuring rod seca 220, seca 224
- Power adapter 447, 400
- Panda seca 459

EMR VALIDATED

To any EMR system.
## TECHNICAL DATA

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<tr>
<th>Flat scales</th>
<th>Page 35</th>
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<th>Page 37</th>
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### FUNCTIONS

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### AREAS OF APPLICATION

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### Technical data

- Flat scales with DI Claire and stable glass platform
- EMR-validated flat scale with extra large platform
- Digital flat scale with cable remote display
- Flat scale with foot switches and double display
- Digital flat scale with foot pedal
- Flat scale with customizable label
- Mechanical flat scale with 1 kg graduation
- EMR-validated flat scale with ID-Display and stable glass platform
- Extra-large platform
- Digital flat scale with cable remote display
- Flat scale with foot pedal
- Flat scale with customizable label
- Mechanical flat scale with 1 kg graduation
- EMR-validated flat scale with ID-Display and stable glass platform
- Extra-large platform
- Digital flat scale with cable remote display
- Flat scale with foot switches and double display
- Digital flat scale with foot pedal
- Flat scale with customizable label
- Mechanical flat scale with 1 kg graduation
Backpack to transport the flat scales seca 899, seca 878, seca 878 dr and seca 877 together with the stadiometer seca 217 and the adapter element seca 437

Carrying case for the flat scales seca 899, seca 878, seca 878 dr and seca 877

Stable and roomy carrying case for the flat scales seca 878, seca 878 dr and seca 877

CARRYING CASE

Dimensions (W x H x D) 370 x 630 x 140 mm

Weight 1.6 kg

CARRYING CASE

Dimensions (W x H x D) 65 x 110 x 35 mm

Cable length 1.85 m

Weight 12 g

CARRYING CASE

Dimensions (W x H x D) 460 x 1,235 x 460 mm

Cable length 4.7 m

Weight 310 g

CARRYING CASE

Dimensions (W x H x D) 460 x 215 x 185 mm

Cable length 4.7 m

Weight 150 g

CARRYING CASE

Dimensions (W x H x D) 520 x 460 x 75 mm

Cable length 1.80 m

Weight 7.8 kg

CARRYING CASE

Dimensions (W x H x D) 67 x 23 x 10 mm

Cable length 1.90 m

Weight 180 g

CARRYING CASE

Dimensions (W x H x D) 440 x 1,100 x 340 mm

Cable length 3.0 m

Weight 600 g

TECHNICAL DATA

Measuring range 60–220 cm / 100–220 cm (with handrail) 20–205 cm

Graduation 1 mm 1 mm

Dimensions (W x H x D) 750 x 150 x 345 mm 173 x 2,304 x 435 mm 801 x 1,120 x 540 mm 333 x 86 x 310 mm 328 x 2,145 x 574 mm

Weight 2 kg 6.5 kg 7 kg 600 g 3.6 kg

TECHNICAL DATA

Measuring range 85–250 cm (with handrail) 130–220 cm (with handrail) 1 cm

Graduation

Dimensions (W x H x D) 70 x 150 x 345 mm 173 x 2,304 x 435 mm 801 x 1,120 x 540 mm 333 x 86 x 310 mm 328 x 2,145 x 574 mm

Weight 2 kg 6.5 kg 7 kg 600 g 3.6 kg

TECHNICAL DATA

Measuring range 30–205 cm 1 cm

Graduation

Dimensions (W x H x D) 750 x 150 x 345 mm 173 x 2,304 x 435 mm 801 x 1,120 x 540 mm 333 x 86 x 310 mm 328 x 2,145 x 574 mm

Weight 2 kg 6.5 kg 7 kg 600 g 3.6 kg

TECHNICAL DATA

CARRYING CASE

Dimensions (W x H x D) 310 x 550 x 140 mm

Weight 1.4 kg

CARRYING CASE

Dimensions (W x H x D) 435 x 350 x 190 mm

Weight 2.8 kg

CARRYING CASE

Dimensions (W x H x D) 460 x 360 x 130 mm

Weight 610 g

CARRYING CASE

Dimensions (W x H x D) 360 x 360 x 10 mm

Weight 800 g

TECHNICAL DATA

Interface module to transmit measurements to EMR systems

USB adapter for data reception on PC

Stand for displays elements of seca scales with cable remote display.

Power adapter for flat scales seca 635, seca 899, seca 878 and seca 878 dr

Switch mode power adapter for flat scale seca 850, seca 856, seca 858, seca 879, seca 879 dr

* Product is only available in certain countries.

Adapter element for the flat scale seca 651 for connection with the ultrasonic height measurement seca 257

Ultrasonic height measurement for flat scale seca 651 in combination with adapter element seca 454

Adapter element for the stadiometer 217 for connection with the flat scales seca 899, seca 878, seca 878 dr or seca 877

Adapter element for the flat scale seca 651 for connection with the ultrasonic height measurement seca 257

Handrail for flat scale seca 651

Adapter element for the flat scale seca 878, seca 878 dr and seca 877 in combination with adapter element seca 437

Stadiometer for height measurement for flat scales seca 899, seca 878, seca 877 or seca 878 dr in combination with adapter element seca 437

Interface module to transmit measurements to EMR systems

USB adapter for data reception on PC

Stand for displays elements of seca scales with cable remote display.

Power adapter for flat scales seca 635, seca 899, seca 878 and seca 878 dr
Height measuring systems

**seca 274**
DMRI validated, freestanding stadiometer with digital display, Frankfurt Line and heel positioner for precise measurements

**seca 264**
DMRI validated stadiometer with display on the headpiece and easy-to-clean floor mat

**seca 217**
Stand-alone stadiometer for height measurement, with space-consisting of parts that fit together perfectly for transport ease

**seca 213**
EMR-validated, free-standing stadiometer with digital display, Frankfurt Line and heel positioner for precise measurements

**seca 222**
Mechanical telescopic measuring rod with large measuring range

**seca 216**
Mechanical measuring rod for children and adults

**seca 206**
Wall-mounted, EMR-validated stadiometer with display on the headpiece and easy-to-clean floor mat

**seca 203**
Mechanical measuring tape with wall attachment

**seca 201**
Ergonomic circumference measuring tape

### TECHNICAL DATA

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<th>Measuring Range</th>
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<td>434 x 2,394 x 466 mm</td>
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<td>30–220 cm</td>
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<td>3.6 kg</td>
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<td>seca 213</td>
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<td>337 x 2,165 x 590 mm</td>
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<td>seca 222</td>
<td>6–230 cm</td>
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<td>330 x 2,335 x 286 mm</td>
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<td>70 g</td>
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<tr>
<td>seca 201</td>
<td>0–205 cm</td>
<td>1 mm</td>
<td>70 x 22 x 65 mm</td>
<td>50 g</td>
</tr>
</tbody>
</table>

### FUNCTIONS

<table>
<thead>
<tr>
<th>Height Measuring System</th>
<th>HOLD</th>
<th>WHR calculator</th>
<th>Backlighting</th>
<th>Automatic switch-off</th>
<th>RESET</th>
<th>Calibration / automatic calibration</th>
<th>Auto-SEND</th>
<th>SEND / Auto-SEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>seca 274</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 264</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 217</td>
<td></td>
<td></td>
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<tr>
<td>seca 213</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>seca 222</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 216</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>Height Measuring System</th>
<th>Interface module</th>
<th>Adapter element</th>
<th>Backpack</th>
<th>Carrying case</th>
</tr>
</thead>
<tbody>
<tr>
<td>seca 274</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
<tr>
<td>seca 264</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
<tr>
<td>seca 217</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
<tr>
<td>seca 213</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
<tr>
<td>seca 222</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
<tr>
<td>seca 216</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414, 412</td>
</tr>
</tbody>
</table>

### AREAS OF APPLICATION

<table>
<thead>
<tr>
<th>Height Measuring System</th>
<th>Can be mounted</th>
<th>Mobile measuring</th>
<th>EMR-VALIDATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>seca 274</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 264</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 217</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>seca 213</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>seca 222</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>seca 216</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories for height measuring systems

<table>
<thead>
<tr>
<th>Height Measuring System</th>
<th>USB adapter for data reception on PC</th>
<th>Adapter element for stadiometer seca 217 for connection with the flat scales seca 989, seca 917, or seca 817</th>
<th>Backpack to transport the stadiometer seca 217 and the adapter element seca 457 together with the flat scales seca 899, seca 878 seca 878 dr and seca 877</th>
<th>Carrying case to transport the stadiometer seca 217 and the adapter element seca 457 together with the flat scales seca 989, seca 917, seca 899 dr and seca 877</th>
</tr>
</thead>
<tbody>
<tr>
<td>seca 274</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
<tr>
<td>seca 264</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
<tr>
<td>seca 217</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
<tr>
<td>seca 213</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
<tr>
<td>seca 222</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
<tr>
<td>seca 216</td>
<td>seca 456</td>
<td>seca 437</td>
<td>seca 409</td>
<td>seca 414</td>
</tr>
</tbody>
</table>

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Height Measuring System</th>
<th>Dimensions (W x H x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>seca 274</td>
<td>85 x 33 x 10 mm</td>
<td>12 g</td>
</tr>
<tr>
<td>seca 264</td>
<td>335 x 96 x 310 mm</td>
<td>600 g</td>
</tr>
<tr>
<td>seca 217</td>
<td>370 x 630 x 140 mm</td>
<td>1.6 kg</td>
</tr>
<tr>
<td>seca 213</td>
<td>625 x 350 x 210 mm</td>
<td>2.8 kg</td>
</tr>
<tr>
<td>seca 222</td>
<td>686 x 427 x 56 mm</td>
<td>400 g</td>
</tr>
</tbody>
</table>
Handrail scales

**Technical data**

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Graduation</td>
</tr>
<tr>
<td>Measuring range</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Power supply</td>
</tr>
</tbody>
</table>

**FUNCTIONS**

- TARE/Pre-TARE
- HOLD
- Auto-HOLD
- BMI
- Auto-CLAIR
- Auto weighing range
- Switch scale
- Damping
- RESET
- Automatic switch-off
- SEND / Auto-SEND
- Wi-Fi / Ethernet
- Optional with seca 452

**INCLUDED**

- Flat scale
- Handrail
- Ultrasonic height measurement

**ACCESSORIES**

- USB adapter
- Ultrasonic height measurement
- Measuring rod
- Barcode scanner mount
- Poles
- Large transport wheel set

**EMR-VALIDATED**

To any EMR system

---

**Handrail scales**

**EMR-validated handrail scale with ID-Display**

**Order code:** ON SHM ANT NN

**Order code:** ON SHM AUT NN

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Graduation</th>
<th>Dimensions (W x H x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>601 x 1,380 x 653 mm</td>
<td>1 mm</td>
<td>801 x 70 x 467 mm</td>
<td>25 kg</td>
</tr>
<tr>
<td>600 x 75 x 467 mm</td>
<td>1 mm</td>
<td>800 x 55 x 840 mm</td>
<td>55.4 kg</td>
</tr>
<tr>
<td>801 x 2,387 x 650 mm</td>
<td>1 mm</td>
<td>600 x 70 x 467 mm</td>
<td>25 kg</td>
</tr>
<tr>
<td>910 x 1,100 x 1,064 mm</td>
<td>2 mm</td>
<td>800 x 55 x 840 mm</td>
<td>25 kg</td>
</tr>
<tr>
<td>640 x 1,150 x 660 mm</td>
<td>1 mm</td>
<td>600 x 70 x 467 mm</td>
<td>25 kg</td>
</tr>
</tbody>
</table>

**FUNCTIONS**

- TARE/Pre-TARE
- HOLD
- Auto-HOLD
- BMI
- Auto-CLAIR
- Auto weighing range
- Switch scale
- Damping
- RESET
- Automatic switch-off
- SEND / Auto-SEND
- Wi-Fi / Ethernet
- Optional with seca 452

**INCLUDED**

- Flat scale
- Handrail
- Ultrasonic height measurement

**ACCESSORIES**

- USB adapter
- Ultrasonic height measurement
- Measuring rod
- Barcode scanner mount
- Poles
- Large transport wheel set

**EMR-VALIDATED**

To any EMR system

---

**Accessories for handrail scales**

**Interface module to transmit measurements to EMR systems**

**Order code:** ON SHM ANT NN

**Order code:** ON SHM AUT NN

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Graduation</th>
<th>Dimensions (W x H x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>66 x 113 x 35 mm</td>
<td>1 mm</td>
<td>65 x 23 x 10 mm</td>
<td>12 g</td>
</tr>
<tr>
<td>173 x 2,304 x 435 mm</td>
<td>1 mm</td>
<td>76 x 75 x 152 mm</td>
<td>300 g</td>
</tr>
<tr>
<td>380 x 670 x 44 mm</td>
<td>1 mm</td>
<td>380 x 670 x 44 mm</td>
<td>500 g</td>
</tr>
</tbody>
</table>

**Interface module**

**Order code:** seca 452

**USB adapter for data reception on PC**

**Order code:** seca 456

**Ultrasonic height measurement for handrail scale**

**Order code:** seca 257

**Panda for seca Scale-up Line**

**Order codes:** ON SHM ANT NN and ON SHM AUT NN

**Large transport wheel set**

**Order codes:** ON SHM ANT NN and ON SHM AUT NN
Wheelchair scales

**seca 677**
EMR validated wheelchair scale with handrail and transport wheels

**seca 865**
EMR validated electronic wheelchair scale

**seca 856**
Digital portion and diet scale with stainless steel cover

**seca 675**
EMR validated electronic platform scale

**seca 852**
Digital organ and diaper scale

**TECHNICAL DATA**
- **Capacity**
  - 5 kg
  - 3 kg
- **Graduation**
  - < 3 kg
  - > 2 g
  - 1 g
- **Dimensions (W x H x D)**
  - 265 x 53 x 265 mm
  - 210 x 140 x 210 mm
- **Dimensions/scale platform (W x H x D)**
  - 235 x 5 x 170 mm
  - 140 x 53 x 140 mm
- **Weight**
  - 1.9 kg
  - 710 g
- **Power supply**
  - Batteries
  - Batteries
- **Approval class**
  - Unapproved
  - Unapproved

**FUNCTIONS**
- **TARE**
- **Pre-TARE**
- **HOLD**
- **Auto-HOLD**
- **BMI**
- **Auto-CLEAR**
- **Auto weighing range switch-over**
- **Damping**
- **RESET**
- **Automatic switch-off**
- **SEND / Auto-SEND**

**ACCESSORIES**
- Interface module
- USB adapter
- Stand for cable remote display

**EMR VALIDATED**
To any EMR system

---

Chair scales

**seca 959**
EMR validated chair scale with precise graduation

**seca 956**
Chair scale for weighing while seated

**TECHNICAL DATA**
- **Capacity**
  - 300 kg
  - 200 kg
- **Graduation**
  - < 150 kg
  - > 100 g
  - 50 g
- **Dimensions (W x H x D)**
  - 563 x 897 x 978 mm
  - 563 x 897 x 956 mm
- **Weight**
  - 24.5 kg
  - 22.4 kg
- **Power supply**
  - Power adapter
  - Batteries
- **Approval class**
  - Unapproved
  - Unapproved

**FUNCTIONS**
- **TARE**
- **Pre-TARE**
- **HOLD**
- **Auto-HOLD**
- **BMI**
- **Auto-CLEAR**
- **Auto weighing range switch-over**
- **Damping**
- **RESET**
- **Automatic switch-off**
- **SEND / Auto-SEND**

**ACCESSORIES**
- Interface module
- USB adapter
- Battery

**EMR VALIDATED**
To any EMR system

---

Specialized scales

**seca 865**
Digital organ and diaper scale with stainless steel cover

**seca 652**
Digital portion and diet scale

---

Accessories for chair scales

**seca 452**
Interface module to transmit measurements to EMR systems

**seca 456**
USB adapter for data reception on PC

**seca 472**
Stand for display elements of seca scales with cable remote display

**TECHNICAL DATA**
- **Dimensions (W x H x D)**
  - 95 x 113 x 35 mm
  - 85 x 23 x 10 mm
- **Weight**
  - 180 g
  - 12 g

---

Accessories for wheelchair scales

**seca 452**
Interface module to transmit measurements to EMR systems

**seca 456**
USB adapter for data reception on PC

**seca 472**
Stand for display elements of seca scales with cable remote display

**TECHNICAL DATA**
- **Dimensions (W x H x D)**
  - 95 x 113 x 35 mm
  - 85 x 23 x 10 mm
- **Weight**
  - 180 g
  - 12 g

---

Accessories for chair scales

**seca 452**
Interface module to transmit measurements to EMR systems

**seca 456**
USB adapter for data reception on PC

**seca 404**
Battery for longer mobile use of chair scale seca 959

**TECHNICAL DATA**
- **Dimensions (W x H x D)**
  - 95 x 113 x 35 mm
  - 85 x 23 x 10 mm
- **Weight**
  - 180 g
  - 12 g

---
Medical Body Composition Analyzers

**Medical Body Composition Analyzers**

**secamBCA 515**
- Medical Body Composition Analyzer for determining body composition while standing
- Order code: ON IN HU AUT NN

**secamBCA 565**
- Medical Body Composition Analyzer
- Order code: ON IN HU AUT NN

**secamBCA 525**
- Medical Body Composition Analyzer for determining body composition in a lying position

**TECHNICAL DATA**
- **Capacity**
  - seca mBCA 515: 300 kg
  - seca mBCA 565: 300 kg
  - seca mBCA 525: 300 kg
- **Graduation**
  - seca mBCA 515: 50 g, < 150 kg
  - seca mBCA 565: 50 g, < 150 kg
  - seca mBCA 525: 50 g, < 150 kg
- **Dimensions (W x H x D)**
  - seca mBCA 515: 976 x 1,251 x 828 mm
  - seca mBCA 565: 838 x 2,387 x 650 mm
  - seca mBCA 525: 839 x 1,280 x 653 mm
- **Weight**
  - seca mBCA 515: 36 kg
  - seca mBCA 565: 30.5 kg
  - seca mBCA 525: 26.5 kg
- **Measuring range**
  - seca mBCA 515: 300 kg
  - seca mBCA 565: 300 kg
  - seca mBCA 525: 300 kg

**CONSUMABLES**
- **Single-use electrodes**
  - Order code: 490 0020

**ACCESSORIES**
- **Barcode scanner mount**
  - Order code: 463

**Included**
- Software: One license of the PC software seca analytics 115

**REQUIRED ACCESSORIES**
- **Software**
  - Cloud-based software seca analytics 125

**ACCESSORIES**
- **Weighing rod**
  - Order code: 468

**Software for medical Body Composition Analyzers**
- seca analytics 125
- Cloud-based software for the professional evaluation of body composition
- seca analytics 115
- Medical PC software for the professional evaluation of body composition

**ORDER CODE**
- Cloud-based software: seca analytics 125
- Medical PC software: seca analytics 115
Medical Vital Signs Analyzer

**Technical data**

### General
- **Dimensions:** 254 x 262 x 278 mm
- **Weight:** ca. 3 kg
- **Medical device class:** IIa
- **Power source:** 100-240 VAC, 50-60 Hz, 2.5 A
- **Connectivity:** Wi-Fi, Ethernet, seca 360° wireless technology
- **Ports:** USB 2.0
- **Compatible printers:** Conventional laser and inkjet printers via the seca analytics 115 PC software

### Measurement methods
- **SpO2**
  - **Measurement range:** Direct 80–100 %; Predictive 90–100 %
  - **Accuracy:** Direct ± 1 %; Predictive ± 1 %
  - **Measurement duration:** Direct 10–12 sec.; Predictive 9–11 sec.
- **BIOELECTRICAL IMPEDANCE ANALYSIS**
  - **Measurement method:** 8-point Bioelectrical Impedance Analysis
  - **Measurement frequencies:** 1, 2, 5, 10, 20, 50, 100, 200, 500 kHz
  - **Measurement segments:** Right arm, left arm, right leg, left leg, right half of body, left half of body, torso
  - **Measurement current:** 100 μA
  - **Measurement duration:** 30 seconds
- **EMR-VALIDATED**
  - In any EMR system

### Accessories
- **Smart Bucket:** seca mVSA 526
- **Charging tray:** seca mVSA 526
- **Including:**
  - Secha mVSA
  - Spot-check-monitor with NIBP, SpO2 technology and in-ear thermometer
  - Extension cord for SpO2 Masimo SET
  - BIA measuring mat seca 490 0018
  - Sphygmomanometer cuff 490 0002 (size M)
  - SpO2 finger clip Masimo SET
  - Smart Bucket seca mVSA 526
  - Power supply
  - Single-use electrodes 490 0020
  - BIA measuring mat seca mBCA 531
  - Carrying case seca 432
  - In-ear thermometer

---

**BLOOD PRESSURE MEASUREMENT**

- **Measurement range:** Deflation measurement: 30 min⁻¹ – 240 min⁻¹; Inflation measurement: 45 min⁻¹ – 200 min⁻¹
- **Accuracy:** Direct ± 0.1 % C; Predictive ± 0.1 % C
- **Measurement duration:** Direct 60–120 sec.; Predictive 10–11 sec.

### Perfusion index measurement
- **Measurement range:** 0.02 % – 20 %
- **Accuracy:** Direct ± 1 %

---

**EMR-VALIDATED**

Spot-check-monitor for customized configuration

**seca mVSA**

Spot-check-monitor for automated configuration

---

**General**

- **Dimensions:** 254 x 262 x 278 mm
- **Weight:** ca. 3 kg
- **Simple type:** 7” touchscreen
- **Power supply:** Power adapter, battery
- **Medical device class:** IIa
- **Connectivity:** Wi-Fi, Ethernet, seca 360° wireless technology
- **Ports:** USB 2.0
- **Compatible printers:** Conventional laser and inkjet printers via the seca analytics 115 PC software

---

**Blood Pressure Measurement**

- **Measurement accuracy:** PR – resting = < 3 bpm; PR – in motion = < 5 bpm
- **Measurement duration:** Normal: 15 – 20 sec.; max. 90 sec. (adults)
- **Measurement certainty:** Maximum cuff pressure 300 mmHg; Automatic pressure release > 330 mmHg
- **Measurement methods:** Axillary/oral, rectal (direct or predictive) in ear (direct)
- **Measurement range:** Direct 30 °C – 43 °C; Predictive 33 °C – 42 °C
- **Measurement accuracy:** Direct ± 0.1 °C; Predictive ± 0.1 °C
- **Measurement precision:** SpO2 – resting = < 2 %
- **Measurement duration:** Direct 80–100 sec.; Predictive 9–11 sec.
- **Mean deviation:** Systole: 0.36 mmHg; Diastole: -0.12 mmHg
- **Standard deviation:** Systole: 4.27 mmHg; Diastole: 3.24 mmHg

---

**Temperature Measurement**

- **Measurement range:** Direct 30 °C – 43 °C; Predictive 33 °C – 42 °C
- **Measurement accuracy:** Direct ± 0.1 °C; Predictive ± 0.1 °C
- **Measurement certainty:** Ambient temperature: 16 °C – 33 °C
- **Measurement methods:** Axillary/oral, rectal (direct or predictive) in ear (direct)
- **Measurement range:** Direct 30 °C – 43 °C; Predictive 33 °C – 42 °C
- **Measurement accuracy:** Direct ± 0.1 °C; Predictive ± 0.1 °C
- **Measurement precision:** SpO2 – resting (60 % – 100 %) ± 2 Arms; SpO2 – in motion (70 % – 100 %) ± 3 Arms

---

**Biological Impedance Analysis**

- **Measurement method:** 8-point Bioelectrical Impedance Analysis
- **Measurement frequencies:** 1, 2, 5, 10, 20, 50, 100, 200, 500 kHz
- **Measurement segments:** Right arm, left arm, right leg, left leg, right half of body, left half of body, torso
- **Measurement current:** 100 μA
- **Measurement duration:** 30 seconds
- **EMR-VALIDATED**
  - In any EMR system
### Components for medical Vital Signs Analyzer

**seca mVSA 526**
- Measuring mat for Biostatistical Impedance Analysis for the seca mVSA 535
  - 490 0001 to 0004
  - Reusable seca sphygmomanometer cuffs available in various sizes (S-L)

**seca mVSA 535**
- Smart Bucket for the seca mVSA 535
- Rolling stand for mobile use of the seca mVSA 535
- Stand mount for easy mounting of the seca mVSA 535 to the rolling stand seca 475
- Carrying case for seca mVSA 535
- Reusable seca sphygmomanometer cuffs available in various sizes (S-XL)
- Extension tube for sphygmomanometer cuffs
- Extension cord for Masimo SET® SpO2 sensors
- Extension cord for seca SpO2 sensors
- Charging tray for BIA measuring mat

### Technical Data

<table>
<thead>
<tr>
<th>Application</th>
<th>SpO2 measurement range</th>
<th>SpO2 accuracy</th>
<th>PR accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % resting</td>
<td>± 3 bpm resting</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % in motion</td>
<td>± 3 bpm in motion</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 Arteries 60–100 %</td>
<td>± 2 Arteries 60–100 %</td>
</tr>
<tr>
<td>Arrhythmias</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 %</td>
<td>± 3 bpm</td>
</tr>
</tbody>
</table>

**Dimensions (WxHxD)**
- 760 x 32 x 179 mm
- 30.7 x 0.8 x 6.7”

*Orderable only in combination with a seca mVSA 535/526.*

### Accessories for medical Vital Signs Analyzer

**seca mVSA 526**
- Smart Bucket for the seca mVSA 535

**seca 475**
- Rolling stand for mobile use of the seca mVSA 535

**seca 490 0017**
- Stand mount for easy mounting of the seca mVSA 526 to the rolling stand seca 475

**seca 432**
- Carrying case for seca mVSA 535
- Reusable seca sphygmomanometer cuffs available in various sizes (S-L)

**seca 490 0005**
- Extension tube for sphygmomanometer cuffs

**seca 490 0013**
- Extension cord for Masimo SET® SpO2 sensors

**seca 490 0012**
- Extension cord for seca SpO2 sensors

**seca 490 0018**
- Charging tray for BIA measuring mat

### Technical Data

<table>
<thead>
<tr>
<th>Application</th>
<th>SpO2 measurement range</th>
<th>SpO2 accuracy</th>
<th>PR accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % resting</td>
<td>± 3 bpm resting</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % in motion</td>
<td>± 3 bpm in motion</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 Arteries 60–100 %</td>
<td>± 2 Arteries 60–100 %</td>
</tr>
<tr>
<td>Arrhythmias</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 %</td>
<td>± 3 bpm</td>
</tr>
</tbody>
</table>

**Dimensions (WxHxD)**
- 261 x 171 x 187 mm
- 30.7 x 0.8 x 6.7”

*Orderable only in combination with a seca mVSA 535/526.*

### Consumables

**seca mVSA 526**
- Probe covers (oral/axillary, rectal)
- Probe covers (in-ear thermometer)
- Single-use electrodes for BIA measuring mat

**seca 490 0015**
- Probe covers (oral/axillary, rectal)

**seca 490 0016**
- Probe covers (in-ear thermometer)

**seca 490 0020**
- Single-use electrodes for BIA measuring mat

### Technical Data

<table>
<thead>
<tr>
<th>Application</th>
<th>SpO2 measurement range</th>
<th>SpO2 accuracy</th>
<th>PR accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % resting</td>
<td>± 3 bpm resting</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 % in motion</td>
<td>± 3 bpm in motion</td>
</tr>
<tr>
<td>Adults</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 Arteries 60–100 %</td>
<td>± 2 Arteries 60–100 %</td>
</tr>
<tr>
<td>Arrhythmias</td>
<td>0.0 % – 100.0 %</td>
<td>± 2 %</td>
<td>± 3 bpm</td>
</tr>
</tbody>
</table>

**Dimensions (WxHxD)**
- 600 x 400 mm (WxD) Height adjustable from 660–1,166 mm
- 164 x 113 x 138 mm
- 410 x 245 x 295 mm

**Size**
- < 0.5 kg
- < 5.5 kg
- 1.500 mm
- 1.200 mm
- 1.000 mm
- 0.800 mm

*Orderable only in combination with a seca mVSA 535/526.*
seca technical terms – a brief explanation.

Seaward Medical devices, software and measurement systems for the assessment of height, weight and body composition.

**Medical Body Composition Analyzer: a device that provides a medically precise measurement of a person’s body composition.**

- **BIA** (Bioelectrical Impedance Analysis): a method of analyzing body composition. This involves measuring the resistance of the body and its parts to a weak alternating electrical current.
- **FM** (Fat Mass): the fat mass defines the amount of body fat in kg as an absolute mass and in % as the relative proportion of the body weight.
- **FMF** (Fat-Free Mass): the total body weight minus the fat mass.
- **FMI** (Fat Mass Index): this index measures the proportion of body fat based on the height, weight and fat mass.
- **BMI** (Body Mass Index): the unit of measurement for the analysis of body weight in relation to a person’s height, calculated using the formula (weight in kg/height in m²).
- **ICW** (Intracellular Water): all fluids found inside the cells. They include all the fluids that are attached to the skeleton or – by extension – to the internal organs.
- **ECW** (Extracellular Water): all fluids found outside the cells. They make up the volume of complete rest, at room temperature and with an empty stomach, in which the BIVA is presented enables analysis of hydration and cell mass.
- **TBW** (Total Body Water): the sum of the fluids outside and inside the cells of the body, including the substances dissolved therein.
- **REE** (Total Energy Expenditure): the total energy expenditure consists of the resting energy expenditure and the energy expended for everything the body does (muscle work, mental work, other body excretion).

**BMI Function**

The Body Mass Index correlates height and weight to one another. A tolerance zone considered to be ideal from a health point of view is between 18.5 and 24.0. If the value is higher or lower, medical advice should be obtained.

**Mother-child function**

This function was developed to enable the weighing of children in the arms of their parents. When the mother-child function is activated, the previously stored weight of the adult is deducted from the currently determined value. The display then shows the weight of the child, with an accuracy of down to 50 g.

**BMI Function**

The Body Mass Index correlates height and weight to one another. A tolerance zone considered to be ideal from a health point of view is between 18.5 and 24.0. If the value is higher or lower, medical advice should be obtained.

**BFR**

The Body Fat Rate compares the patient’s percentage of fat with an ideal value. Body height and weight are the basis of calculation; extra consideration is given to gender.

**Pre-TARE function**

When activated, a previously stored value is automatically deducted from the currently measured weight. For example, when caregiver and patient stand on the scales together and only the weight of the patient is to be shown.

**Limit value function**

For effective monitoring of patients, one can preset a weight limit and an alarm ring if this is exceeded.

**Clear, Auto-Clear function**

The damping function makes it possible to determine the precise weight if several disturbances or changes were made during the weighing process. E.g. caused by the patient moving. The degree of damping can be adjusted as required before weighing a patient: the stronger the damping, the less sensitively the scales react to the movements during the weighing process.

**RESET function**

The RESET function restores the factory settings.

**SEND, Auto-SEND function**

At the touch of a button, measured and input data are sent to receiving devices such as a scale with the appropriate BMI function or a PC via radio. When the auto-SEND function is set, the SEND function is prompted automatically with a stable weight value or a confirmed height reading.

**Confirmation button**

With the touch of a button, measured values can be transmitted directly into the electronic patient record (EMR) after identification of the patient and the user by barcode scanner. Manual transcription errors can therefore be avoided.

**Three-point height measurement**

An accurate height measurement can only be obtained when a patient comes in contact with these points (shoulders, rear-end, and heels) together with a statometer. This ensures the patient is standing fully upright.

**BMI Function**

The Body Mass Index is the quotient of weight and height, calculated using the formula (weight in kg/height in m²). Products bearing this symbol fulfill the applicable requirements of 93/42/EEC on medical devices.

**mBCA and mVSA:**

- **mBCA** (Medical Body Composition Analyzer): a device that provides a medically precise measurement of a person’s body composition.
- **mVSA** (Medical Vital Signs Analyzer): a device that measures the vital parameters of blood pressure, SpO₂, pulse, temperature and, by means of a measuring mat, body composition (Bioelectrical Impedance Analysis).

**Seaward** is a manufacturer of medical devices. The company confirms that seca meets the stringent quality and technical requirements applicable to medical devices. Seaward has been found in many medical devices to meet the stringent requirements of accuracy class IIa in calibration class B. Calibrated scales can be used for calibration-required measurements in medicine.

**Hydrometer**

Hydrometer: the ratio of extracellular water to intracellular water.

**Impedance (Z), Phase angle (φ), Resistance (R), Reactance (Xc)**

These represent the raw data from the Bioelectrical Impedance Analysis that can be used for medical studies. This includes the impedance, the phase angle and the two impedances, resistance and reactance.

**BMI** (Body Mass Index)

The unit of measurement for the analysis of body weight in relation to a person’s height, calculated using the formula (weight in kg/height in m²).

**BIVA** (Bioimpedance Vector Analysis): the way in which the BIVA is presented enables analysis of hydration and cell mass.

**BCC** (Body Composition Chart)

The Body Composition Chart developed by seca shows the measurement results of the fat mass index in a coordinate system and helps to determine body composition.

**EMR** (Electronic Medical Record)

These are information systems that are used in hospitals to record and present patient information.

**HL7, GDT**

These are recognized data formats needed by most EMR systems to process patient data.

**mVSA**

Medical Vital Signs Analyzer: A device that measures the vital parameters of blood pressure, SpO₂, pulse, temperature and, by means of a measuring mat, body composition (Bioelectrical Impedance Analysis).

**SpO₂**

Pulse oximetry is used to measure blood oxygen saturation and pulse rate. The non-invasive method employs a finger clip sensor.

**NBP**

Non-invasive blood pressure measurement: the oscillatory measurement method measures blood pressure by means of a cuff placed around the upper arm or thigh.

**mBCA** and **mVSA**

- **mBCA** and **mVSA** provide a medically precise measurement of a person’s body composition.
- **mBCA** and **mVSA** measure Bioelectrical Impedance Analysis: a method of analyzing body composition. This involves measuring the resistance of the body and its parts to a weak alternating electrical current.
- **mBCA** and **mVSA** fulfill the requirements of directive 93/42/EEC on medical devices.
- **mBCA** and **mVSA** are CE marked, conforming to the applicable requirements of accuracy classes III and IIII.

**mVSA** shows the measurement results of the fat mass index in a coordinate system and helps to determine body composition.
OUR PRODUCTS AND ART

See the world through our eyes.

Push the boundaries, reinvent the world and never be satisfied. That’s the way artists have thought since art began and the way we have thought since seca was founded. That was and is precisely why art has grown into an important source of inspiration over our 180 years of existence. It brings up new questions, leads to new perspectives, and expands horizons – for our products too. We would like to have you participate in this process. In 2009, for instance, media artist Christina Lissmann created an image portfolio for seca that shows our products in a limitless fantasy world. In the current seca art project the renowned photographic artists, Barbara Metz and Eve Racine, are dealing with balance in the body. Without it, the body falls ill – balance is recovered in the end with the aid of seca. The human body is illustrated in an abstract and mechanical yet also playful and lively way. Welcome to the inspiring, limitless world of art. Welcome to seca.
Medical Measuring Systems and Scales since 1840

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- seca united kingdom
- seca north america
- seca schweiz
- seca zhong guo
- seca nihon
- seca mexico
- seca australia
- seca polska
- seca middle east
- seca suomi
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- seca benelux
- seca lietuva

and with exclusive partners in more than 110 countries.

seca headquarters
(responsible for Europe, CIS & Africa)
+49 40 20 00 00 0
info@seca.com

seca united kingdom
+44 121 643 9349
info.uk@seca.com

seca gmbh & co. kg
Hammer Steindamm 3-25
22089 Hamburg
Germany

seca ltd.
40 Barn Street
Birmingham, B5 5QB
England

Precision for health
seca.com