



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 and certified EMR integration solutions 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.


Robert M. Vogel
CEO


Frederik Vogel
CEO

seca

- + World market leader in medical measuring and weighing
- + Made in Germany since 1840
- + Family-owned and operated in the fourth generation
- + Exclusive partner and dealer network in over 110 countries
- + User-oriented and groundbreaking solutions from our own development department
- + EMR integration – validated and certified seca products equipped for the future

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Not all products, accessory parts, functions or services are available in all countries.



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All seca products shown together with this logo are capable of transmitting measurements into an Electronic Medical Record (EMR) system.





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



The backlit LCD display ensures results can be easily read, even in dimmed rooms.

Can be operated by rechargeable batteries or power adapter.

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

Accessories seca 403 / seca 402

Carts for mobile support of seca baby scales



+ Ideal supplement to baby scales seca 757, seca 336 i, seca 336, seca 376 and seca 385 / 384 / 834



Image contains optional digital measuring rod seca 234 and barcode scanner from a third-party vendor.

seca 336 i

EMR-validated baby scale with Wi-Fi function

- + Optional with digital measuring rod seca 234 or analog measuring rod seca 232 n
- + 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



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.

Approval class	III
Capacity	20 kg
Graduation	5 g < 10 kg > 10 g
Functions	TARE, BMIF, HOLD, Auto-HOLD, damping, automatic switch-off, Wi-Fi, auto weighing range switch-over, confirm button
Ports	USB for barcode scanner
Accessories	+ Mobile carts seca 403 and seca 402 + Digital measuring rod seca 234 + Analog measuring rod seca 232 n + Battery for longer mobile use seca 454 + Carrying case seca 428





Image contains optional analog measuring rod seca 232 n.



Image contains optional measuring rod seca 233.

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



The optional measuring rod can be used to determine weight and height simultaneously.

Approval class	III
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

seca 376

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



High sides on weighing tray offer special protection from falling out.



Approval class	III
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
Accessories	+ Mobile carts seca 403 and seca 402 + Measuring rod seca 233 + Power adapter 447 + Switch-mode power adapter 400



Power supplied by batteries for mobile use.



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)



The weighing tray can be removed quickly and easily at the touch of a button.

	seca 385	seca 384	seca 834
Approval class	III	III	III
Capacity	50 kg	20 kg	20 kg
Graduation	20 g < 20 kg > 50 g	10 g < 10 kg > 20 g	10 g < 10 kg > 20 g
Functions	TARE, BMIF, HOLD, automatic switch-off, weighing range switch-over		
Accessories	+ 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		

seca 834 is only available in certain countries.



seca 745

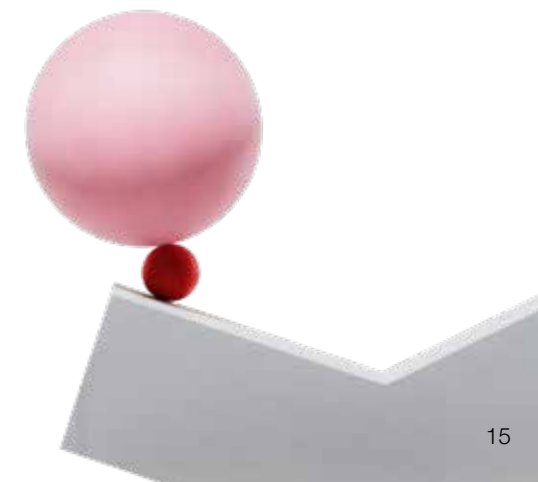
Mechanical baby scale with sliding weights

- + 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.

Approval class	III
Capacity	16 kg
Graduation	10 g
Functions	Reset-to-zero function



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



Measuring range	33 – 100 cm
Graduation	1 mm

The foot positioner locks into place to capture results.



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



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



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

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



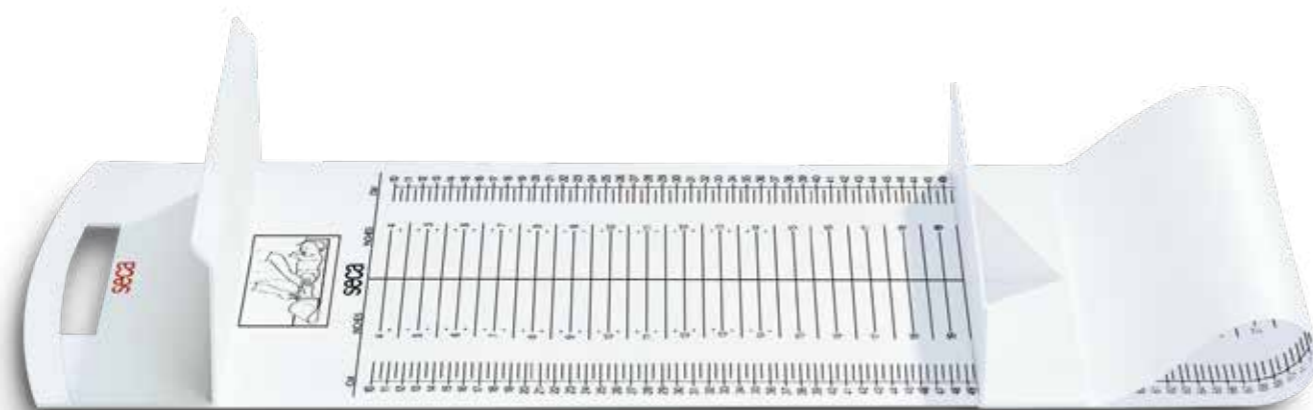
Possible combination

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



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



Measuring range	10–99 cm
Graduation	5 mm
Accessories	+ Backpack seca 409 or carrying case seca 414 (for combination with baby scale seca 385 / 384 / 834)



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

Measuring range	7–99 cm
Graduation	1 mm



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



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)

Measuring range	3–59 cm
Graduation	1 mm



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



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.

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



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



Image contains optional barcode scanner mount seca 463 and barcode scanner from a third-party vendor.

Order code **ON SMM AUT NN**

- + Flat scale seca 655
- + Ultrasonic height measurement seca 257



Image contains optional barcode scanner mount seca 463 and barcode scanner from a third-party vendor.

Order code **ON SHM AUT NN**

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



Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	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, SEND
Accessories	+ Ultrasonic height measurement seca 257 + Ultrasonic height measurement (short) seca 257 sh + Handrail seca 455 + Animal sticker seca 487 + Barcode scanner mount seca 463

Ultrasonic height measurement

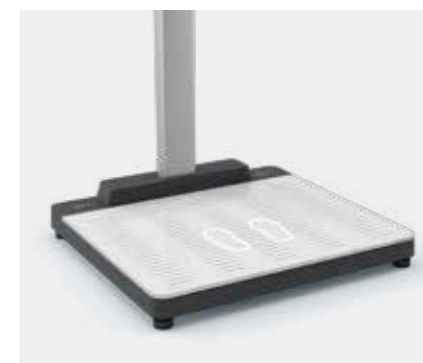
Measuring range seca 257	60–220 cm 100–220 cm (with handrail)
Measuring range seca 257 sh	60–200 cm 100–200 cm (with handrail)
Graduation	1 mm
Functions	Automatic calibration

Order code **ON SMM AVT NN**

- + Flat scale seca 655
- + Ultrasonic height measurement (short) seca 257 sh

Order code **ON SHM AVT NN**

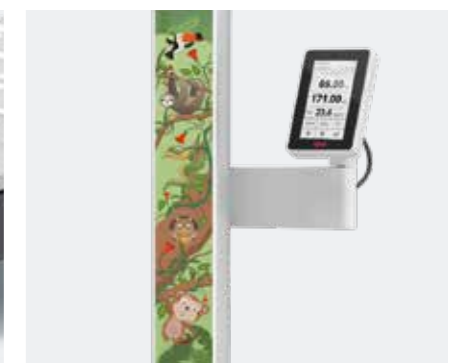
- + Flat scale seca 655
- + Ultrasonic height measurement (short) seca 257 sh
- + Handrail seca 455



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



Nearly effortless transport with extremely robust rubber wheels.



While the child is focusing on an animal at eye level, the head position is just right for precise height measurement.

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

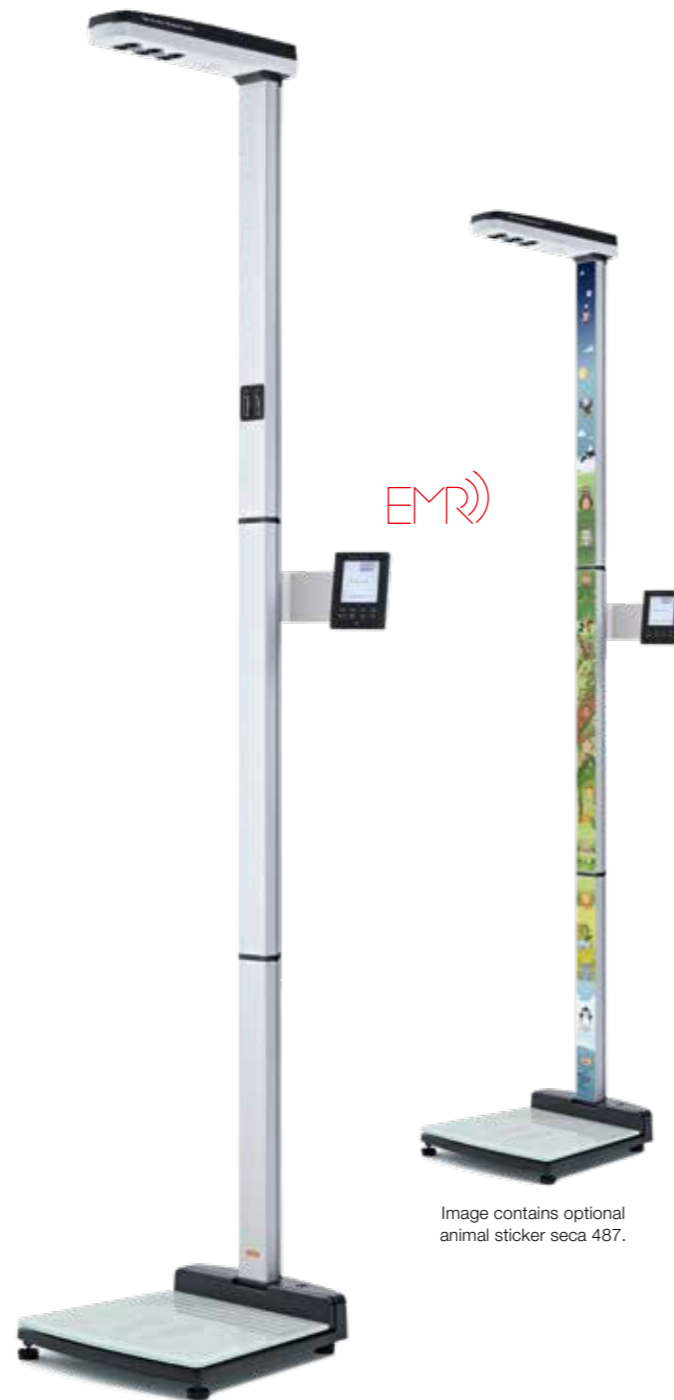


Image contains optional animal sticker seca 487.



Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	Pre-TARE, mother+child function, HOLD, Auto-HOLD, Auto-BMI, TARE, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, SEND
Accessories	+ Interface module seca 452 + Animal sticker seca 487

Ultrasonic height measurement

Measuring range	60–210 cm
Graduation	1 mm
Function	Automatic calibration



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.

seca 285

EMR-validated measuring station for height and weight

- + Measuring and weighing in one step with absolute precision
- + Precise head alignment by the seca Frankfurt line positioner
- + Precise 50 g graduation at a very high capacity of up to 300 kg
- + Wide range of height measurement: also suitable for pediatrics
- + Three-line touchscreen for simultaneous weight, height and BMI display
- + High-quality glass platform with a heel positioner for exact three-point measurement
- + Display in the headpiece shows the height
- + EMR-validated: transmit measured data directly to any Electronic Medical Record (EMR) system



Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	Pre-TARE, mother+child function, HOLD, Auto-HOLD, Auto-BMI, TARE, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, SEND
Accessories	+ Interface module seca 452

Height measurement

Measuring range	30–220 cm
Graduation	1 mm
Functions	HOLD, automatic switch-off, SEND



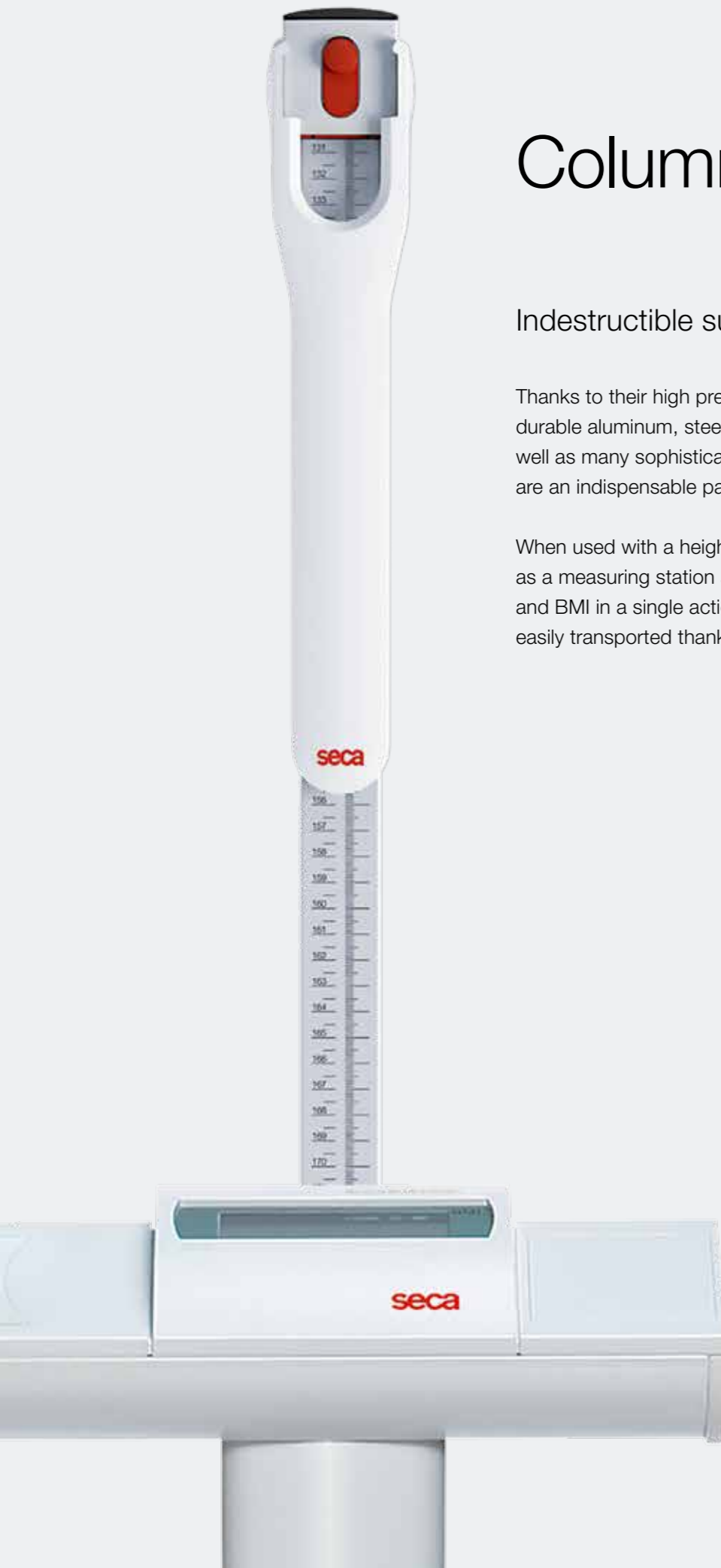
The Frankfurt line positioner, which is offered only by seca, makes sure the patient's head is in exactly the right position.

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

Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	TARE, Pre-TARE, mother+child function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off
Accessories	+ Interface module seca 452 + Measuring rod seca 220 or seca 224 or panda seca 459 + Power adapter 447 + Switch-mode power adapter 400

Measuring rod seca 220 (optional)

Measuring range	60–200 cm
Graduation	1 mm



Image contains optional measuring rod seca 220.



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

The seca 704 can send measurements via the interface module seca 452 directly to any EMR system.

seca 704 s

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-tilting 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



Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	TARE, Pre-TARE, mother+child function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off
Included	Stadiometer
Accessories	+ Interface module seca 452 + Panda seca 459 + Power adapter 447 + Switch-mode power adapter 400

Stadiometer (included)

Measuring range	6 – 230 cm
Graduation	1 mm



The measuring scale is printed on the side of the measuring rod improving visual ergonomics.

Practical wheels permit mobile use.

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.

Scale

Approval class	III
Capacity	200 kg
Graduation	100 g < 150 kg > 200 g
Functions	TARE, HOLD, BMI, weighing range switch-over, automatic switch-off
Accessories	+ Measuring rod seca 220 or seca 224 + Power adapter 447 + Switch-mode power adapter 400

Measuring rod seca 220 (optional)

Measuring range	60 – 200 cm
Graduation	1 mm



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.

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



Image contains optional measuring rod seca 220.



Scale

Approval class	III
Capacity	220 kg
Graduation	100 g
Functions	Reset-to-zero function
Accessories	+ Measuring rod seca 220

Measuring rod seca 220 (optional)

Measuring range	60–200 cm
Graduation	1 mm



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.

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



Scale

Approval class	IIII
Capacity	160 kg
Graduation	500 g
Functions	BMI, Reset-to-zero function
Accessories	+ Measuring rod seca 224

Measuring rod seca 224 (optional)

Measuring range	60–200 cm
Graduation	1 mm



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.

seca 756 is only available in certain countries.

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

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	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, SEND
Accessories	+ Ultrasonic height measurement seca 257 or seca 257 sh in combination with adapter seca 464 + Handrail seca 455



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



The patient's BMI can be determined when their height is entered.

It's easy to step onto the extra large, slip proof platform.

Accessory **seca 472**

Stand for cable remote display



- + Sturdy construction for cable remote display of the scales seca 635, seca 657 and seca 675

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, automatic switch-off, damping
Accessories	+ Interface module seca 452 + Stand for cable remote display seca 472 + Power adapter 447 + Switch-mode power adapter 400



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

Approval class	III
Capacity	200 kg
Graduation	100 g < 150 kg > 200 g
Functions	TARE, HOLD, BMI, automatic switch-off
Accessories	+ Stadiometer seca 217 in combination with adapter element seca 437 + Power adapter 447 + Switch-mode power adapter 400 + Carrying cases seca 409 / seca 421 or seca 414 (for combination with stadiometer and adapter element)



The angle of the display can be adjusted for easy reading and can be used separately from the base.



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	III
Capacity	200 kg
Graduation	100 g < 150 kg > 200 g
Functions	Mother+child function, HOLD, automatic switch-off
Accessories	+ Stadiometer seca 217 in combination with adapter element seca 437 + Power adapter 447 + Switch-mode power adapter 400 + Carrying cases seca 409 / seca 421 or seca 414 (for combination with stadiometer and adapter element)



The two foot switches on the front side of the scale can be operated by foot.



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

Approval class	III
Capacity	200 kg
Graduation	100 g < 150 kg > 200 g
Functions	Mother+child function, tap-on automatic switch-on, automatic switch-off
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

Approval class	III
Capacity	200 kg
Graduation	100 g < 150 kg > 200 g
Functions	Mother+child function, HOLD, automatic switch-off
Accessories	+ Stadiometer seca 217 in combination with adapter element seca 437 + Power adapter 447 + Switch-mode power adapter 400 + Carrying cases seca 409 / seca 415 or seca 414 (for combination with stadiometer and adapter element)



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

Approval class	III
Capacity	150 kg
Graduation	1 kg
Functions	Reset-to-zero function



The especially large circular display allows easy reading of measurements. seca 761 is only available in certain countries.

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

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 to the seca mBCA 515, and in headpieces that always glide smoothly into position to guarantee consistently precise measurements.



seca 274

Freestanding stadiometer with digital display

- + Digital height measurement: comfortable and precise
- + Precise head alignment by the seca Frankfurt line positioner
- + High-quality glass platform with heel plate
- + Sliding headpiece with backlit digital display
- + Leveling feet provide a very stable base
- + Transmit measured data directly to a seca mBCA 515

Measuring range	30 – 220 cm
Graduation	1 mm
Functions	HOLD, user-defined zero setting, automatic switch-off, SEND



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



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



seca 264**Wall-mounted stadiometer
with display on the headpiece**

- + Digitally measures small children and adults
- + Precise head alignment by the seca Frankfurt line positioner
- + Backlit LCD display in headpiece
- + Non-slip rubber mat with heel positioner
- + Transmit measured data directly to a seca mBCA 515

Measuring range	30 – 220 cm
Graduation	1 mm
Functions	HOLD, user-defined zero setting, automatic switch-off, SEND



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.

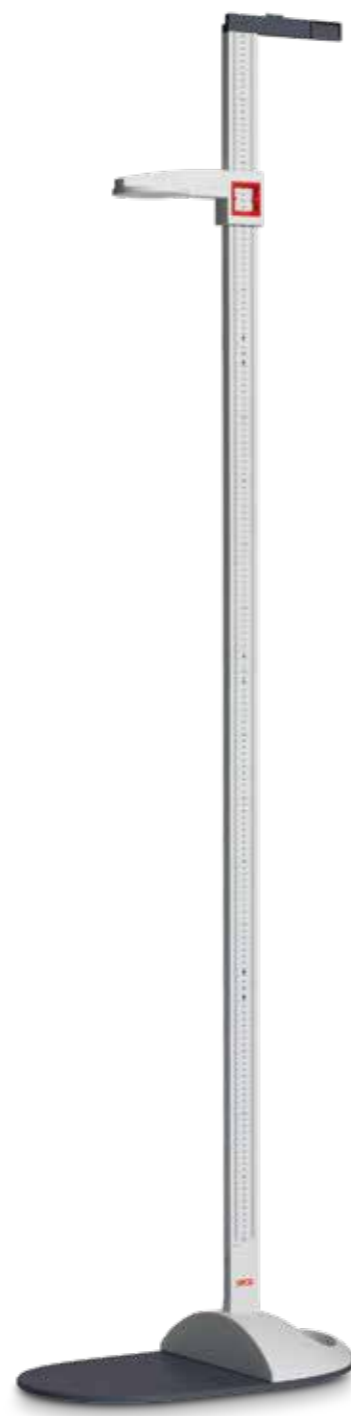


seca 217

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

Measuring range	20–205 cm
Graduation	1 mm
Accessories	+ Adapter element seca 437 (for combination with flat scale seca 899, seca 878 dr or seca 877) + Carrying cases seca 412 or seca 409 / seca 414 (for combination with scale and adapter element)



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

Measuring range	20–205 cm
Graduation	1 mm
Accessories	+ Carrying case seca 412



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

Measuring range	6–230 cm
Graduation	1 mm



The foot positioner ensures exact positioning and precise measurements.



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

Measuring range	max. 138 cm, variable from 3.5–230 cm
Graduation	1 mm



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

Measuring range	0–220 cm
Graduation	1 mm



The wall-mounted roll measuring tape is particularly space-saving and allows for quick and easy measuring.



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

Measuring range	0–205 cm
Graduation	1 mm
Function	WHR calculator



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

Measuring range	0–205 cm
Graduation	1 mm



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 stowable.

seca 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

seca.com/scaleup



Image contains optional barcode scanner mount seca 463 and barcode scanner from a third-party vendor.

Order code **ON SHM ANT NN**

- + Flat scale seca 655
- + Handrail seca 455



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



Scale

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Functions	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, SEND

- Accessories
- + Ultrasonic height measurement seca 257
 - + Ultrasonic height measurement (short) seca 257 sh
 - + Animal sticker seca 487
 - + Panda seca 459 (only for versions without height measurement)
 - + Barcode scanner mount seca 463

Ultrasonic height measurement

Measuring range seca 257	100 – 220 cm
Measuring range seca 257 sh	100 – 200 cm
Graduation	1 mm
Functions	Automatic calibration



Image contains optional barcode scanner mount seca 463 and barcode scanner from a third-party vendor.

Order code **ON SHM AUT NN**

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

Order code **ON SHM AVT NN**

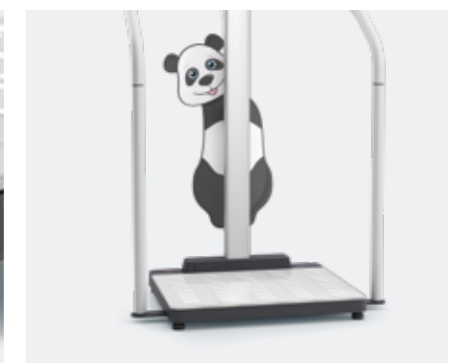
- + Flat scale seca 655
- + Handrail seca 455
- + Ultrasonic height measurement (short) seca 257 sh



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



Nearly effortless transport with extremely robust rubber wheels.



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

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



Patient can stand or sit when being weighed.

The rotating display can be oriented towards the patient or medical personnel.



Thanks to the ramp, wheelchairs can be wheeled on with ease and comfort.

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
Accessories	+ Interface module seca 452

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



Image contains optional measuring rod seca 223.

Scale

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
Accessories	+ Interface module seca 452 + Measuring rod seca 223

Measuring rod seca 223 (optional)

Measuring range	6 – 230 cm
Graduation	1 mm



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.



seca 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



The scale can be folded for easy transport.

Integrated ramps on both sides allow for the safe and comfortable operation with a wheelchair.

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
Accessories	+ Interface module seca 452



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



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

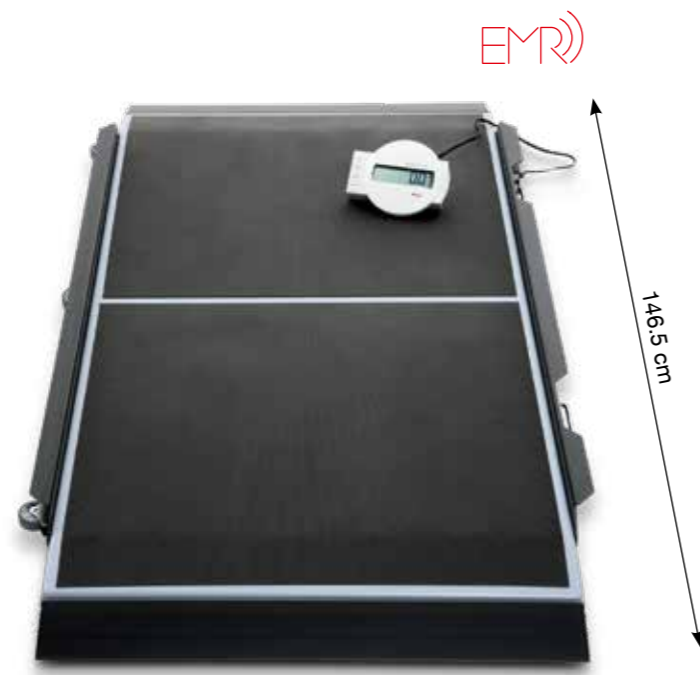


The seca 665 simply folds up and moves easily across the floor on wheels.



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
Accessories	+ Interface module seca 452





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



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.

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
Accessories	+ Interface module seca 452 + 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

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
Accessories	+ Interface module seca 452 + Stand for cable remote display seca 472



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



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.

Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g < 250 kg > 200 g
Functions	TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off
Accessories	+ Interface module seca 452 + Battery for longer mobile use seca 454



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

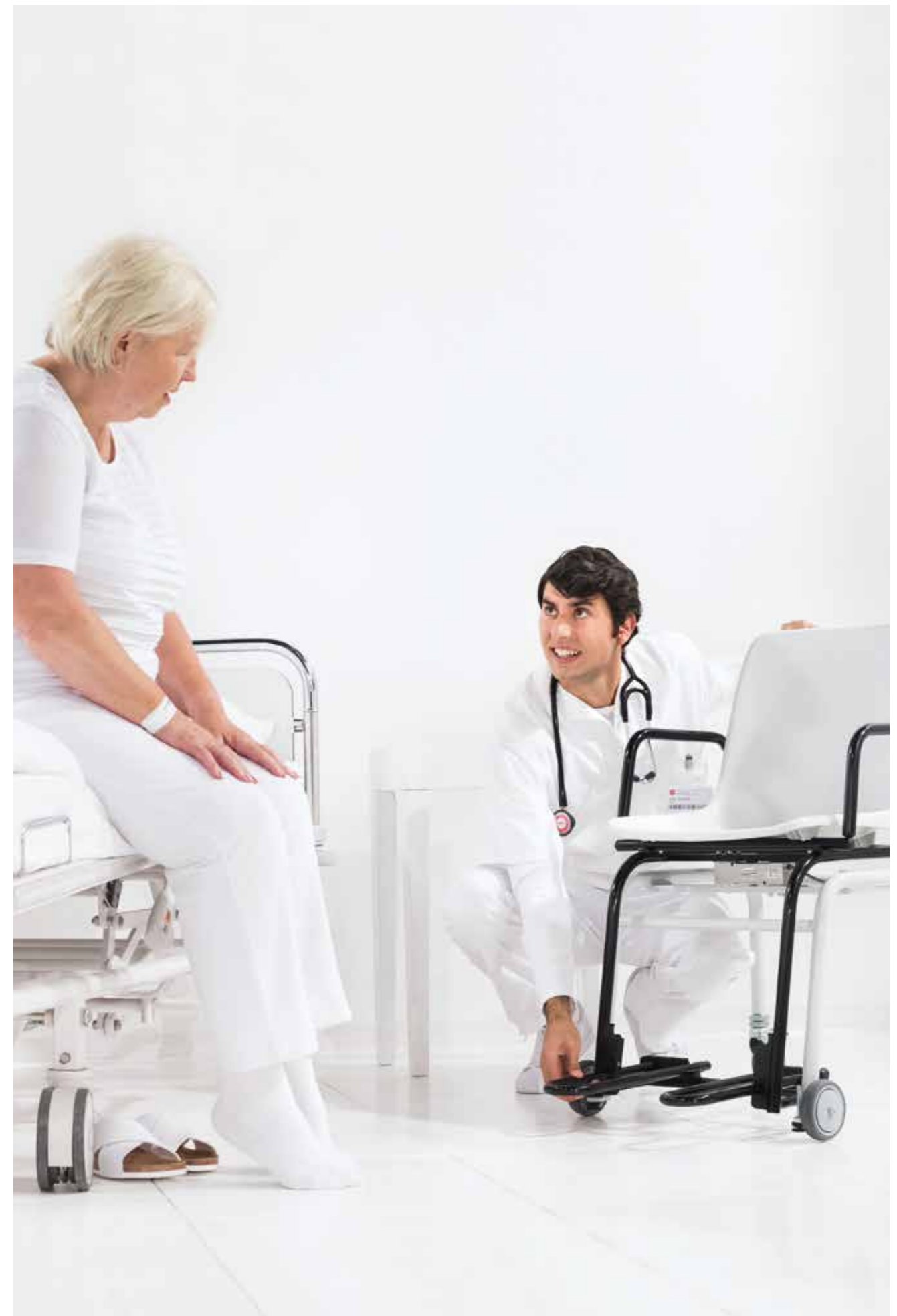


The seca 956 runs on batteries for mobile use and offers a capacity of up to 200 kg.



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

Approval class	III
Capacity	200 kg
Graduation	100 g
Functions	TARE, HOLD, automatic switch-off



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

Approval class	unapproved
Capacity	5 kg
Graduation	1 g < 3 kg > 2 g
Functions	TARE, Pre-TARE, HOLD, automatic switch-off



The stainless steel surface is tough and easy to clean.



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

Approval class	unapproved
Capacity	3 kg
Graduation	1 g
Functions	TARE, automatic switch-off



The fine graduation of just one gram permits precise weighing.

The scale can be conveniently stored within the compact bowl.



BODY COMPOSITION

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.

¹ Quantification of whole-body and segmental skeletal muscle mass using phase-sensitive 8-electrode medical bioelectrical impedance devices. Bosy-Westphal A, Jensen B, Braun W, Pourhassan M, Gallagher D, Müller MJ. Eur J Clin Nutr. 2017 Mar 22. doi: 10.1038/ejcn.2017.27

² What makes a BIA equation unique? Validity of eight-electrode multifrequency BIA to estimate body Composition in a healthy adult population. Bosy-Westphal A, Schautz B, Later W, Kehayias JJ, Gallagher D, Müller MJ. Eur J Clin Nutr 2013; 67: 14-21; doi: 10.1038/ejcn.2012.160

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



Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Display type	8.4" 360° rotatable touchscreen
Connectivity	Ethernet
Ports	USB 2.0
Measurement method	8-point Bioelectrical Impedance Analysis
Measurement current	100 µA
Measurement duration	17 seconds
Software	seca analytics 115



Hand-held electrodes prevent measurement errors and ensure that results are always reproducible.

The large, easy-access, fast-cleaning, safety glass weighing platform is suitable for use by patients weighing up to 300 kg.

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

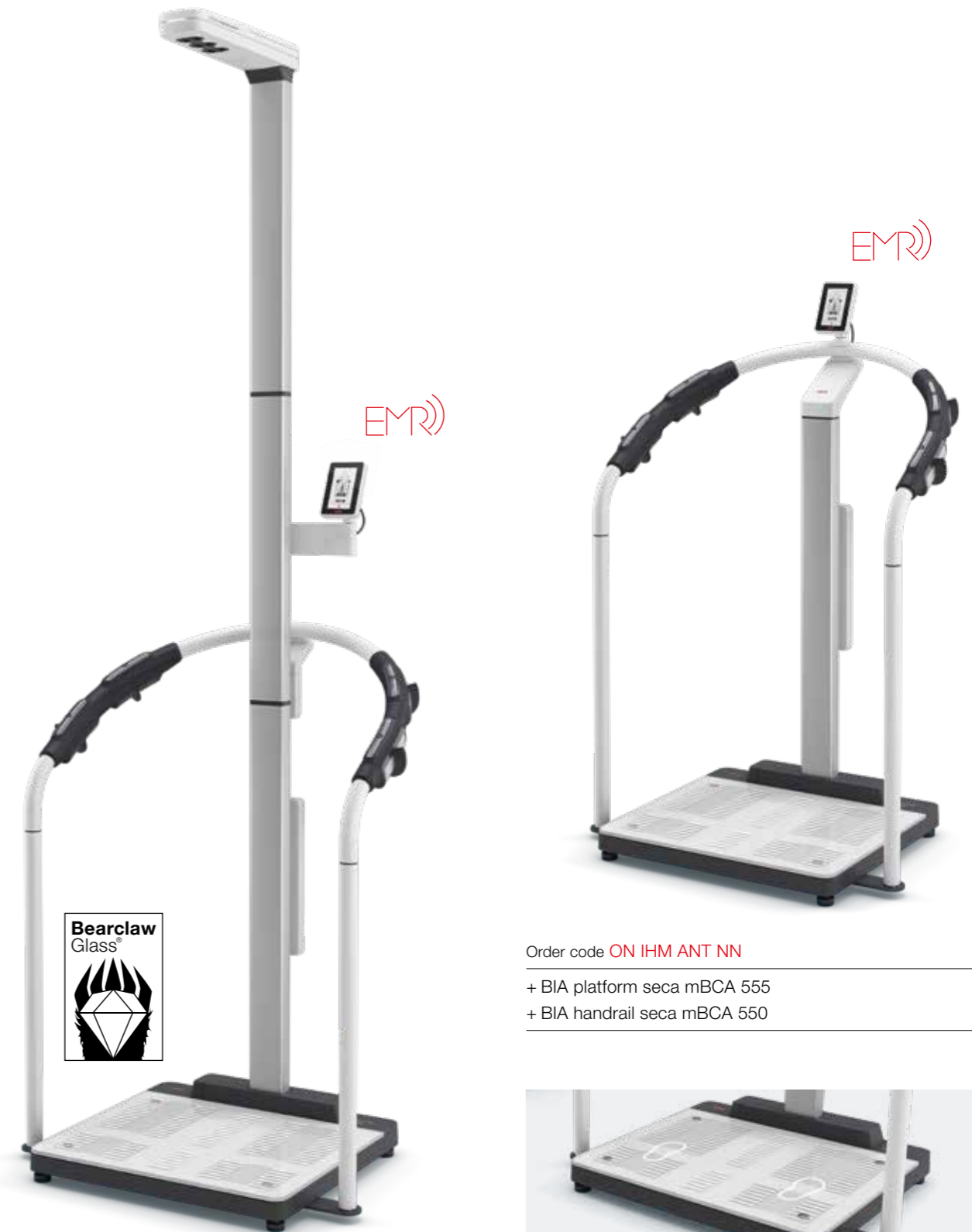


mBCA	
Approval class	III
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Display type	4.3" tilttable and rotatable touchscreen
Connectivity	Wi-Fi, Ethernet
Ports	USB for barcode scanner
Measurement method	8-point Bioelectrical Impedance Analysis
Measurement current	100 µA
Measurement duration	24 seconds
Software	seca analytics 125
Required accessory	+ BIA handrail seca mBCA 550
Accessories	+ Ultrasonic height measurement seca 257 + Ultrasonic height measurement (short) seca 257 sh + Children's grip electrodes seca 457 + Animal sticker seca 487 + Panda seca 459 (only for versions without height measurement) + Barcode scanner mount seca 463

Ultrasonic height measurement	
Measuring range seca 257	100 – 220 cm
Measuring range seca 257 sh	100 – 200 cm
Graduation	1 mm
Functions	Automatic calibration



The children's grip electrodes allow for the medically precise determination of the body composition of little patients as well.



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

Order code **ON IHM AVT NN**
 + BIA platform seca mBCA 5545
 + BIA handrail seca mBCA 550
 + Ultrasonic height measurement (short) seca 257 sh

Order code **ON IHM ANT NN**
 + BIA platform seca mBCA 555
 + BIA handrail seca mBCA 550



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.



EMR



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

Weight	3 kg
Dimensions (W x H x D)	252 x 262 x 230 mm
Electrode type	Adhesive electrodes (PVC-free)
Display type	7" touchscreen
Connectivity	Wi-Fi, Ethernet
Ports	USB 2.0
Measurement method	8-point Bioelectrical Impedance Analysis
Measurement current	100 µA
Frequencies	9
Measured data storage	Up to 100,000 measurements
Measurement duration	30 seconds
Software	seca analytics 115
Accessories	+ Rolling stand seca 475 + Basket seca 490 0019 for stand + Carrying case seca 432
Consumables	+ Single-use electrodes 490 0020

mbca.seca.com



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 475**

Rolling stand for mobile use



Image contains optional basket seca 490 0019.

- + 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

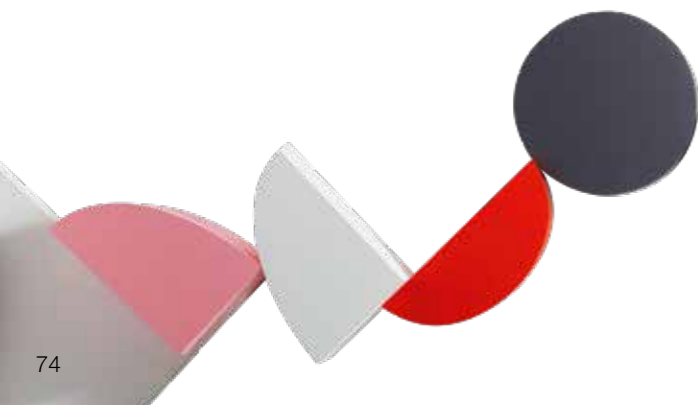
The software provides fast and secure access to all current and previously collected measurements even from home or on-the-go. Thanks to the new cloud-based software delivery, all administrative IT issues are taken care of for you. This frees up your time so you can fully concentrate on your clinical 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.



mBCA	seca mBCA 515	seca mBCA 555	seca mBCA 555	seca mBCA 525
Software	seca analytics 115	seca analytics 125	seca analytics 125	seca analytics 115





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^{1,2}. 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.

¹ Preventing pediatric medication errors (2008). In: Sentinel Event Alert, 39, pp. 1-5
² Authority, P. P. S. (2009): Medication errors: significance of accurate patient weights. Pennsylvania Patient Safety Advisory, 6(1), pp. 10-15.

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

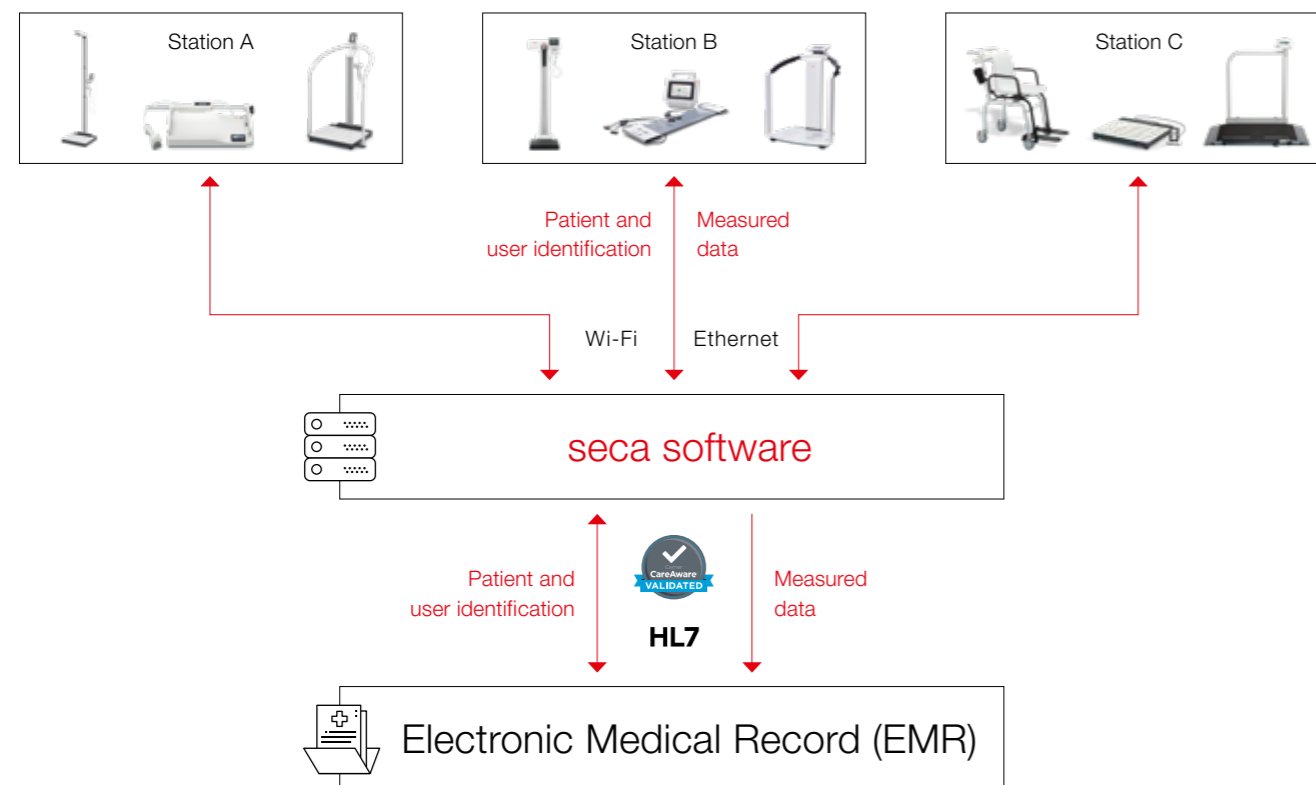


6 Secure integration into your EMR system



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.



EMR-validated seca products



Baby scales

seca 757
seca 336 i

Measuring stations

seca Scale-up Line
seca 287
seca 285

Column scales

seca 704
seca 704 s

Flat scales

seca 651
seca 635

Handrail scales

seca Scale-up Line
seca 685
seca 645

Wheelchair scales

seca 677
seca 665
seca 657
seca 675

Chair scales

seca 959

mBCA

seca mBCA 515
seca mBCA 555
seca mBCA 525

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.



“Our competent and experienced team of integration specialists works according to a continuously optimized process that guarantees a safe, effective and satisfactory project flow for customers. The understanding of individual workflow requirements, the polling of technical requirements, the timely implementation and the expert support, remote or on-site, characterize the success of our work.”

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

Free consultation

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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

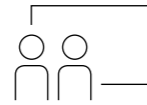
Distinguished worldwide—developed for your needs: our seca service.

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.

Certified quality management system



Award-winning services



Free consultation

secaservice.com

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Monday – Thursday 8.45 am – 5.00 pm (GMT)
Friday 8.45 am – 4.45 pm (GMT)

Baby scales

								
	seca 757	seca 336 i	seca 336	seca 376	seca 385	seca 384	seca 834	seca 745
	EMR-validated baby scale with very precise graduation	EMR-validated baby scale with Wi-Fi function	Electronic baby scale for space-saving use	Baby scale with extra large weighing tray	2-in-1 mobile baby scale and flat scale for toddlers	2-in-1 mobile baby scale and flat scale for toddlers	2-in-1 mobile baby scale and flat scale for toddlers	Mechanical baby scale with sliding weights
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TECHNICAL DATA

Capacity	15 kg	20 kg	20 kg	20 kg	50 kg	20 kg	20 kg	16 kg
Graduation	2 g < 5 kg > 5 g	5 g < 10 kg > 10 g	5 g < 10 kg > 10 g	5 g < 7.5 kg > 10 g	20 g < 20 kg > 50 g	10 g < 10 kg > 20 g	10 g < 10 kg > 20 g	10 g
Dimensions (W x H x D)	551 x 151 x 320 mm	650 x 110 x 308 mm	650 x 110 x 308 mm	620 x 190 x 358 mm	552 x 164 x 364 mm	552 x 164 x 364 mm	552 x 156 x 341 mm	550 x 180 x 290 mm
Dimensions tray (W x H x D)	540 x 110 x 250 mm	645 x 40 x 290 mm	645 x 40 x 290 mm	615 x 130 x 275 mm	525 x 87 x 250 mm	525 x 87 x 250 mm	525 x 80 x 250 mm	550 x 110 x 270 mm
Dimensions platform (W x H x D)					280 x 77 x 235 mm	280 x 77 x 235 mm	280 x 65 x 250 mm	
Weight	7.1 kg	3.7 kg	3.7 kg	3.7 kg	2.8 kg	2.8 kg	2.5 kg	6.4 kg
Power supply	Power adapter, batteries	Power adapter, batteries	Batteries, power adapter optional	Batteries, power adapter optional	Batteries	Batteries	Batteries	Batteries
Approval class	III	III	III	III	III	III	III	III

FUNCTIONS

TARE	•	•	•	•	•	•	•	•
BMIF		•	•	•	•	•	•	•
HOLD	•	•	•	•	•	•	•	•
Auto-HOLD	•	•	•	•	•	•	•	•
Weighing range switch-over					•	•	•	•
Auto weighing range switch-over	•	•	•	•				
Damping	•	•	•	•				
Reset-to-zero function								•
Acoustic signals can be activated	•	•	•	•				
RESET	•	•	•	•				
Automatic switch-off	•	•	•	•	•	•	•	•
Confirm button		•	•	•				
Wi-Fi	optional with seca 452	•						
Ethernet	optional with seca 452							
Integrated measuring tape	•							

ACCESSORIES

Interface module	seca 452							
Mobile cart	seca 403, seca 402	seca 403, seca 402	seca 403, seca 402	seca 403, seca 402	seca 403, seca 402	seca 403, seca 402	seca 403, seca 402	
Measuring rod		seca 234, seca 232 n	seca 234, seca 232 n	seca 233				
Measuring board					seca 417	seca 417	seca 417	
Power adapter			401	447, 400				
Carrying case		seca 428	seca 428		seca 413, seca 414	seca 413, seca 414	seca 413, seca 414	
Backpack					seca 409, seca 431	seca 409, seca 431	seca 409, seca 431	
Battery for longer mobile use	seca 454	seca 454						

AREAS OF APPLICATION

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



Accessories for baby scales



seca 403	seca 402	seca 234	seca 232 n	seca 233
Cart for mobile support with customized indentations for baby scales seca 757, seca 717, seca 376, seca 336 i, seca 336 and seca 385 / 384 / 834	Cart for mobile support with customized indentations for baby scales seca 717, seca 376, seca 336 i, seca 336 and seca 385 / 384 / 834	Digital measuring rod for baby scales seca 336 and seca 336 i	Analog measuring rod for baby scales seca 336 and seca 336 i	Measuring rod for baby scale seca 376
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TECHNICAL DATA

Maximum load	45 kg	45 kg	35–80 cm	35–80 cm	35–80 cm
Measuring range			1 mm	1 mm	1 mm
Graduation			1 mm/5 mm/10 mm (configurable)		
Graduation digital display			877 x 92 x 297 mm	877 x 92 x 266 mm	641 x 179 x 296 mm
Dimensions (W x H x D)	715 x 800 x 435 mm	715 x 800 x 435 mm			
Diameter					
Weight	27.5 kg	11.5 kg	1.3 kg	1.2 kg	700 g



seca 452	447	400*	401	seca 454
Interface module to transmit measurements to EMR systems	Power adapter for baby scale seca 376	Switch-mode power adapter for baby scale seca 376	Power adapter for baby scale seca 336	Battery for longer mobile use of baby scales seca 757 and seca 336 i
Page 9	Page 13	Page 13	Page 12	Page 9

TECHNICAL DATA

Dimensions (W x H x D)	95 x 113 x 35 mm	50 x 40 x 75 mm	42 x 35 x 73 mm	80 x 40 x 75 mm	1.15 m
Cable length		1.90 m	1.85 m	2.00 m	
Weight	180 g	310 g	155 g	100 g	345 g



seca 454	seca 428	seca 409	seca 414	seca 431	seca 413
Battery for longer mobile use of baby scales seca 757 and seca 336 i in combination with mobile carts seca 403 and seca 402	Carrying case for baby scales seca 336 i and seca 336	Backpack to transport baby scales seca 385 / 384 / 834 together with the measuring board seca 417 or the measuring mat seca 210	Case with handle and shoulder strap for baby scales seca 385 / 384 / 834 together with the measuring board seca 417 or the measuring mat seca 210	Backpack to transport baby scales seca 385 / 384 / 834 safely and comfortably	Carrying case for baby scales seca 385 / 384 / 834
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TECHNICAL DATA

Dimensions (W x H x D)		650 x 320 x 110 mm	370 x 630 x 140 mm	625 x 350 x 210 mm	380 x 580 x 170 mm	570 x 150 x 330 mm
Weight	345 g	1.2 kg	1.6 kg	2.8 kg	800 g	900 g

Pediatric measuring systems



seca 416	seca 417	seca 210	seca 207	seca 212
Infantometer for measuring babies and toddlers	Light, space-saving and stable measuring board also ideal for mobile use	Mobile measuring mat for babies and toddlers	Baby measuring rod with large calipers (wall mounting possible)	Measuring tape for head circumference of babies and toddlers (for measuring head circumference and symmetry)
Page 17	Page 18	Page 20	Page 21	Page 21

TECHNICAL DATA

Measuring range	33–100 cm	10–100 cm	10–99 cm	7–99 cm	3–59 cm
Graduation	1 mm	1 mm	5 mm	1 mm	1 mm
Dimensions (W x H x D)	1,103 x 169 x 402 mm	1,110 x 115 x 333 mm	1,250 x 140 x 300 mm	1,042 x 120 x 288 mm	25 x 0.2 x 663 mm
Dimensions when folded (W x H x D)		577 x 115 x 333 mm	120 x 140 x 300 mm	1,042 x 120 x 35 mm	
Dimensions box (W x H x D)					140 x 145 x 30 mm
Weight	3.8 kg	1.6 kg	575 g	810 g	100 g
Quantity in dispenser					15 pieces

ACCESSORIES

Carrying case		seca 414, seca 412	seca 414	
Backpack		seca 409	seca 409	

AREAS OF APPLICATION

Can be mounted					
Mobile measuring		•	•	•	•

Accessories for pediatric measuring systems










seca 409	seca 414	seca 412
Backpack to transport measuring board seca 417 or measuring mat seca 210 together with baby scales seca 385 / 384 / 834	Case with handle and shoulder strap for measuring board seca 417 or measuring mat seca 210 together with baby scales seca 385 / 384 / 834	Carrying case for measuring board seca 417
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TECHNICAL DATA

Dimensions (W x H x D)	370 x 630 x 140 mm	625 x 350 x 210 mm	686 x 427 x 56 mm
Weight	1.6 kg	2.8 kg	650 g



Measuring stations

						
	seca Scale-up Line	seca Scale-up Line	seca Scale-up Line	seca Scale-up Line	seca 287	seca 285
	EMR-validated ultrasonic measuring station with ID-Display	EMR-validated ultrasonic measuring station with ID-Display and handrail	EMR-validated ultrasonic measuring station with ID-Display* (short ultrasonic height measurement)	EMR-validated ultrasonic measuring station with ID-Display* and handrail (short ultrasonic height measurement)	EMR-validated ultrasonic measuring station with voice guidance	EMR-validated measuring station for height and weight
	Order code: ON SMM AUT NN	Order code: ON SHM AUT NN	Order code: ON SMM AVT NN	Order code: ON SHM AVT NN		
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TECHNICAL DATA

Capacity	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg
Graduation	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g
Measuring range	60–220 cm	100–220 cm	60–200 cm	100–200 cm	60–210 cm	30–220 cm
measuring rod						
Graduation measuring rod	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm
Dimensions (W x H x D)	600 x 2,387 x 614 mm	801 x 2,387 x 650 mm	600 x ??? x 614 mm	801 x ??? x 650 mm	434 x 2,270 x 466 mm	434 x 2,394 x 466 mm
Dimensions platform (W x H x D)	600 x 70 x 467 mm	600 x 70 x 467 mm	600 x 70 x 467 mm	600 x 70 x 467 mm	430 x 60 x 365 mm	430 x 60 x 365 mm
Weight	22 kg	29 kg	??? kg	??? kg	16.5 kg	16 kg
Power supply	Power adapter	Power adapter	Power adapter	Power adapter	Power adapter	Power adapter, batteries
Approval class	III	III	III	III	III	III

FUNCTIONS

TARE	•	•	•	•	•	•
Pre-TARE	•	•	•	•	•	•
Mother+child function	•	•	•	•	•	•
HOLD	•	•	•	•	•	•
Auto-HOLD	•	•	•	•	•	•
Auto-BMI	•	•	•	•	•	•
BFR	•	•	•	•	•	•
CLEAR	•	•	•	•	•	•
Auto-CLEAR	•	•	•	•	•	•
Auto weighing range switch-over	•	•	•	•	•	•
Damping	•	•	•	•	•	•
Backlighting	•	•	•	•	•	•
Acoustic signals can be activated	•	•	•	•	•	•
RESET	•	•	•	•	•	•
Calibration/automatic calibration	•	•	•	•	•	•
Automatic switch-off	•	•	•	•	•	•
SEND/Auto-SEND	•	•	•	•	•	•
Integrated measuring rod	•	•	•	•	•	•
Transport wheels	•	•	•	•	•	•
Wi-Fi/Ethernet	•	•	•	•	optional with seca 452	optional with seca 452
Patient data input	•	•	•	•	•	•
Touchscreen	•	•	•	•	•	•
Confirm button	•	•	•	•	•	•
Display of user name	•	•	•	•	•	•
Display of patient name	•	•	•	•	•	•
Display of date of birth of patient	•	•	•	•	•	•
Standby mode	•	•	•	•	•	•

INCLUDED

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

ACCESSORIES

Interface module					seca 452	seca 452
Handrail	seca 455		seca 455			
Barcode scanner mount	seca 463	seca 463	seca 463	seca 463		
Animal sticker	seca 487	seca 487	seca 487	seca 487	seca 487	

EMR-VALIDATED

to any EMR system	•	•	•	•	•	•
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Accessories for measuring stations

						
	seca 452	seca 455	seca 257	seca 257 sh	seca 463	seca 487
	Interface module to transmit measurements to EMR systems	Handrail for seca Scale-up Line for order codes ON SMM AUT NN and ON SMM AVT NN	Ultrasonic height measurement for seca Scale-up Line for order codes ON SMM AVT NN and ON SHM AVT NN	Shortened Ultrasonic height measurement for seca Scale-up Line for order codes ON SMM AUT NN and ON SHM AVT NN	Barcode scanner mount for seca Scale-up Line for all order codes	Animal sticker for seca Scale-up Line for all order codes and seca 287
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TECHNICAL DATA

Measuring range			60–220 cm or 100–220 cm (with handrail)	60–200 cm or 100–200 cm (with handrail)		
Graduation			1 mm	1 mm		
Dimensions (W x H x D)	95 x 113 x 35 mm	801 x 1,120 x 540 mm	173 x 2,304 x 435 mm	173 x ??? x 435 mm	76 x 75 x 152 mm	60 x 2,346 x 0.5 mm
Weight	180 g	7 kg	6.5 kg	??? kg	200 g	200 g



Column scales



seca 704
EMR-validated column scale with 300 kg capacity

seca 704 s
EMR-validated column scale with stadiometer

seca 799
Electronic column scale with BMI function

seca 711
Mechanical column scale with eye-level beam

seca 756
Mechanical column scale with BMI display and evaluation

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TECHNICAL DATA

Capacity	300 kg	300 kg	200 kg	220 kg	160 kg
Graduation	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	100 g < 150 kg > 200 g	100 g	500 g
Measuring range measuring rod	6–230 cm				
Graduation measuring rod	1 mm				
Dimensions (W x H x D)	360 x 930 x 520 mm	360 x 1,408 x 520 mm	294 x 831 x 417 mm	520 x 1,556 x 520 mm	360 x 1,000 x 628 mm
Dimensions platform (W x H x D)	335 x 80 x 345 mm	335 x 80 x 345 mm	272 x 75 x 280 mm	335 x 80 x 345 mm	335 x 80 x 345 mm
Weight	14.9 kg	17.6 kg	6.3 kg	21.7 kg	18.5 kg
Power supply	Batteries, power adapter optional	Batteries, power adapter optional	Batteries, power adapter optional		
Approval class	III	III	III	III	III

FUNCTIONS

TARE	•	•	•		
Pre-TARE	•	•			
Mother+child function	•	•			
HOLD	•	•	•		
Auto-HOLD	•	•			
BMI	•	•	•		•
Auto-CLEAR	•	•			
Auto weighing range switch-over	•	•			
Weighing range switch-over			•		
Wi-Fi/Ethernet	optional with seca 452	optional with seca 452			
Reset-to-zero function			•		•
Acoustic signals can be activated	•	•			
RESET	•	•			
Automatic switch-off	•	•	•		
Damping	•	•			
Integrated measuring rod		•			
Transport wheels	•	•	•	•	•

ACCESSORIES

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

EMR-VALIDATED

to any EMR system	•	•			
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Accessories for column scales



seca 452
Interface module to transmit measurements to EMR systems

seca 220
Telescopic measuring rod for column scales seca 704, seca 799 and seca 711

seca 224
Telescopic measuring rod for column scales seca 704, seca 799 and seca 756

seca 459
Panda for mounting on the column of for seca 704 (only without additional measuring rod) and seca 704 s

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TECHNICAL DATA

Measuring range		60–200 cm	60–200 cm	
Graduation		1 mm	1 mm	
Dimensions (W x H x D)	95 x 113 x 35 mm	57 x 1,480 x 286 mm	57 x 2,020 x 286 mm	380 x 670 x 44 mm
Weight	180 g	700 g	1.4 kg	500 g



447
Power adapter for seca 704, seca 704 s and seca 799

400*
Switch-mode power adapter for seca 704, seca 704 s and seca 799

* Product is only available in certain countries.

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TECHNICAL DATA

Dimensions (W x H x D)	50 x 40 x 75 mm	42 x 35 x 73 mm
Cable length	1.90 m	1.85 m
Weight	310 g	155 g



Flat scales



seca 651 EMR-validated flat scale with ID-Display and stable glass platform
seca 635 EMR-validated flat scale with extra-large platform
seca 899 Digital flat scale with cable remote display
seca 878 Flat scale with foot switches and double display
seca 877 Digital flat scale with foot pedal
seca 878 dr Flat scale with customizable label
seca 761 Mechanical flat scale with 1 kg graduation

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TECHNICAL DATA

Capacity	300 kg	300 kg	200 kg	200 kg	200 kg	200 kg	150 kg
Graduation	50 g < 150 kg > 100 g	100 g < 200 kg > 200 g	100 g < 150 kg > 200 g	100 g < 150 kg > 200 g	100 g < 150 kg > 200 g	100 g < 150 kg > 200 g	1 kg
Dimensions (W x H x D)	600 x 70 x 574 mm	640 x 55 x 600 mm	321 x 60 x 356 mm	321 x 60 x 361 mm	321 x 60 x 356 mm	321 x 60 x 361 mm	303 x 118 x 470 mm
Dimensions platform (W x H x D)	600 x 70 x 467 mm	560 x 55 x 560 mm	288 x 60 x 278 mm	288 x 60 x 280 mm	288 x 60 x 278 mm	288 x 60 x 280 mm	270 x 70 x 280 mm
Cable length	4.0 m	2.5 m	2.0 m				
Weight	14.0 kg	14.4 kg	4.5 kg	4.1 kg	4.2 kg	4.1 kg	13.5 kg
Power supply	Power adapter	Batteries, power adapter optional	Batteries, power adapter optional	Batteries, power adapter optional	Batteries	Batteries, power adapter optional	
Approval class	III	III	III	III	III	III	III

FUNCTIONS

TARE	•	•	•				
Pre-TARE	•	•					
Mother+child function	•			•	•	•	
HOLD	•	•	•	•		•	
Auto-HOLD	•	•					
BMI		•	•				
Auto-BMI	•						
CLEAR	•						
Auto-CLEAR	•	•					
Auto weighing range switch-over	•	•					
Damping	•	•					
Backlighting	•						
Acoustic signals can be activated	•						
RESET	•	•					
Automatic switch-off		•	•	•	•	•	
SEND/Auto-SEND	•						
Tap-on automatic switch-on					•		
Transport wheels	•						
Wi-Fi/Ethernet	•	optional with seca 452					
Standby mode	•						
Touchscreen	•						
Confirm button	•						
Display of user name	•						
Display of patient name	•						
Display of date of birth of patient	•						
Reset-to-zero function							•

ACCESSORIES

Interface module		seca 452					
Stadiometer			seca 217	seca 217	seca 217	seca 217	
Ultrasonic height measurement	seca 257 or seca 257 sh						
Handrail	seca 455						
Stand for cable remote display		seca 472					
Adapter element	seca 464		seca 437	seca 437	seca 437		
Power adapter		447, 400	447, 400	447, 400		447, 400	
Backpack			seca 409	seca 409	seca 409	seca 409	
Carrying case			seca 414, seca 421	seca 414, seca 415	seca 414, seca 415	seca 414, seca 415	

AREAS OF APPLICATION

Mobile weighing			•	•	•	•	
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EMR-VALIDATED

to any EMR system	•	•					
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Accessories for flat scales



seca 452

Interface module to transmit measurements to EMR systems

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seca 472

Stand for display elements of seca scales with cable remote display

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447

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

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400*

Switch-mode power adapter for flat scales seca 635, seca 899, seca 878 and seca 878 dr

*Product is only available in certain countries.

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TECHNICAL DATA

Dimensions (WxHxD)	95 x 113 x 35 mm	460 x 1,035 x 460 mm	50 x 40 x 75 mm	42 x 35 x 73 mm
Cable length			1.90 m	1.85 m
Weight	180 g	7.8 kg	310 g	155 g



seca 464

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

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seca 257

Ultrasonic height measurement for flat scale seca 651 in combination with adapter element seca 464

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seca 257 sh

Shortened ultrasonic height measurement for flat scale seca 651 in combination with adapter element seca 464

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seca 455

Handrail for flat scale seca 651

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seca 437

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

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seca 217

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

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TECHNICAL DATA

Measuring range		60–220 cm / 100–220 cm (with handrail)	60–200 cm / 100–200 cm (with handrail)			20–205 cm
Graduation		1 mm	1 mm			1 mm
Dimensions (WxHxD)	750 x 150 x 345 mm	173 x 2,304 x 435 mm	173 x ??? 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	??? kg	7 kg	600 g	3.6 kg



seca 409

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

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seca 414

Carrying case for 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

Page 37

seca 421

Stable and roomy carrying case for the flat scales seca 899, seca 878, seca 878 dr and seca 877

Page 37

seca 415

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

Page 37

TECHNICAL DATA

Dimensions (WxHxD)	370 x 630 x 140 mm	625 x 350 x 210 mm	430 x 350 x 130 mm	330 x 380 x 70 mm
Weight	1.6 kg	2.8 kg	810 g	800 g



Height measuring systems

								
seca 274 Freestanding stadiometer with digital display, Frankfurt line positioner and heel positioner for precise measurements	seca 264 Wall-mounted stadiometer with display on the head-piece and easy-to-clean floor mat	seca 217 Stand-alone stadiometer for height measurement, with spacer, consisting of parts that fit together perfectly for transport ease	seca 213 Stand-alone stadiometer for height measurement, easily assembled for convenient transport	seca 222 Mechanical telescopic measuring rod with large measuring range	seca 216 Mechanical measuring rod for children and adults	seca 206 Mechanical measuring tape with wall attachment	seca 203 Ergonomic circumference measuring tape with extra Waist-To-Hip-Ratio calculator (WHR)	seca 201 Ergonomic circumference measuring tape
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TECHNICAL DATA									
Measuring range	30–220 cm	30–220 cm	20–205 cm	20–205 cm	6–230 cm	max. 138 cm selectable from 3.5–230 cm	0–220 cm	0–205 cm	0–205 cm
Graduation	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm	1 mm
Dimensions (W x H x D)	434 x 2,394 x 466 mm	428 x 2,318 x 474 mm	328 x 2,145 x 574 mm	337 x 2,165 x 590 mm	308 x 2,320 x 286 mm	120 x 1,500 x 217 mm	125 x 125 x 173 mm	70 x 28 x 66 mm	70 x 22 x 65 mm
Dimensions platform (W x H x D)	430 x 60 x 365 mm	430 x 3 x 370 mm							
Dimensions when folded (W x H x D)				337 x 177 x 624 mm	308 x 1,325 x 37 mm				
Weight	15 kg	5 kg	3.6 kg	2.4 kg	1.1 kg	1.7 kg	202 g	70 g	50 g
Power supply	Batteries	Batteries							
FUNCTIONS									
HOLD	•	•							
WHR calculator								•	
Backlighting	•	•							
Acoustic signals can be activated	•	•							
RESET	•	•							
Calibration/automatic calibration	•	•							
Automatic switch-off	•	•							
SEND/Auto-SEND	•	•							
ACCESSORIES									
Adapter element			seca 437						
Backpack			seca 409						
Carrying case			seca 414, seca 412	seca 412					
AREAS OF APPLICATION									
Can be mounted		•			•	•	•		
Mobile measuring			•	•				•	•

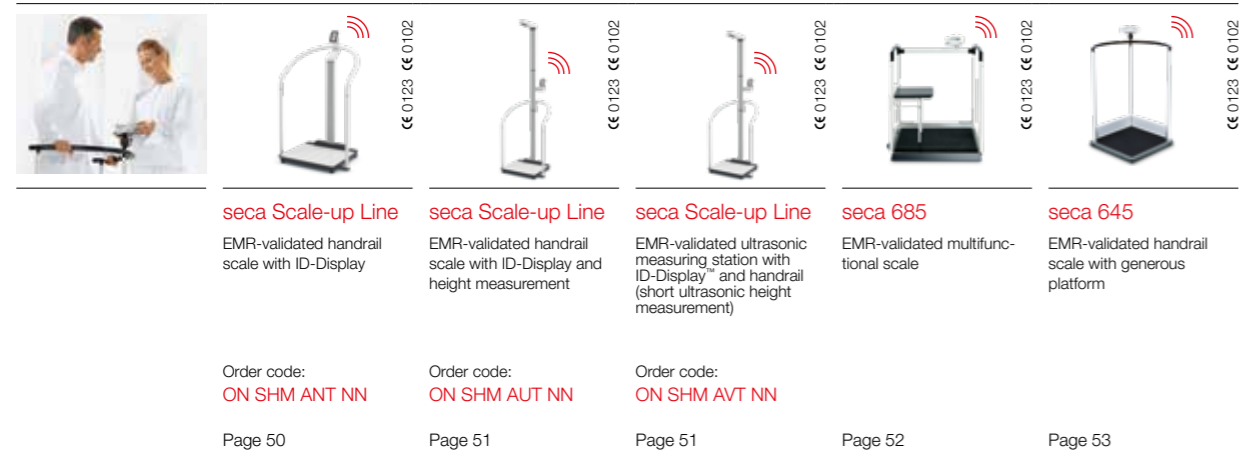
Accessories for height measuring systems

			
seca 437 Adapter element for stadiometer seca 217 for connection with the flat scales seca 899, seca 878, seca 878 dr or seca 877	seca 409 Backpack to transport the stadiometer seca 217 and the adapter element seca 437 together with the flat scales seca 899, seca 878, seca 878 dr and seca 877	seca 414 Carrying case to transport the stadiometer seca 217 and the adapter element seca 437 together with the flat scales seca 899, seca 878, seca 878 dr and seca 877	seca 412 Carrying case for the mobile stadiometer seca 217 and seca 213
Page 44	Page 44	Page 44	Page 44

TECHNICAL DATA				
Dimensions (W x H x D)	333 x 86 x 310 mm	370 x 630 x 140 mm	625 x 350 x 210 mm	686 x 427 x 56 mm
Weight	600 g	1.6 kg	2.8 kg	650 g



Handrail scales



secas Scale-up Line EMR-validated handrail scale with ID-Display Order code: ON SHM ANT NN Page 50	secas Scale-up Line EMR-validated handrail scale with ID-Display and height measurement Order code: ON SHM AUT NN Page 51	secas Scale-up Line EMR-validated ultrasonic measuring station with ID-Display™ and handrail (short ultrasonic height measurement) Order code: ON SHM AVT NN Page 51	secas 685 EMR-validated multifunctional scale Page 52	secas 645 EMR-validated handrail scale with generous platform Page 53
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TECHNICAL DATA

Capacity	300 kg	300 kg	300 kg	300 kg	300 kg
Graduation	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	100 g < 200 kg > 200 g	100 g < 200 kg > 200 g
Measuring range measuring rod		100–220 cm	100–200 cm		
Graduation measuring rod		1 mm	1 mm		
Dimensions (W x H x D)	801 x 1,280 x 653 mm	801 x 2,387 x 650 mm	801 x ??? x 650 mm	910 x 1,100 x 1,064 mm	640 x 1,150 x 660 mm
Dimensions/platform (W x H x D)	600 x 70 x 467 mm	600 x 70 x 467 mm	600 x 70 x 467 mm	800 x 55 x 840 mm	600 x 55 x 600 mm
Weight	25 kg	29 kg	??? kg	59.5 kg	25.4 kg
Power supply	Power adapter	Power adapter	Power adapter	Power adapter	Power adapter, rechargeable batteries
Approval class	III	III	III	III	III

FUNCTIONS

TARE/Pre-TARE	•	•	•	•	•
HOLD	•	•	•	•	•
Auto-HOLD	•	•	•	•	•
BMI	•	•	•	•	•
Auto-CLEAR	•	•	•	•	•
Auto weighing range switch-over	•	•	•	•	•
Damping	•	•	•	•	•
RESET	•	•	•	•	•
Automatic switch-off	•	•	•	•	•
SEND/Auto-SEND	•	•	•	•	•
Wi-Fi/Ethernet	•	•	•	optional with secas 452	optional with secas 452
Transport wheels	•	•	•	•	•
Ramp	•	•	•	1 x integrated	•
Mother+child function	•	•	•	•	•
Auto-BMI	•	•	•	•	•
Patient data input	•	•	•	•	•
CLEAR	•	•	•	•	•
Backlighting	•	•	•	•	•
Acoustic signals can be activated	•	•	•	•	•
Standby mode	•	•	•	•	•
Touchscreen	•	•	•	•	•
Confirm button	•	•	•	•	•
Display of user name	•	•	•	•	•
Display of patient name	•	•	•	•	•
Display of date of birth of patient	•	•	•	•	•

INCLUDED

Flat scale	secas 655	secas 655	secas 655		
Handrail	secas 455	secas 455	secas 455		
Ultrasonic height measurement		secas 257	secas 257 sh		

ACCESSORIES

Interface module			secas 452	secas 452	
Ultrasonic height measurement	secas 257 or secas 257 sh				
Measuring rod				secas 223	
Barcode scanner mount	secas 463	secas 463	secas 463		
Panda	secas 459				
Animal sticker		secas 487	secas 487		

EMR-VALIDATED

to any EMR system	•	•	•	•	•
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Accessories for handrail scales



secas 452 Interface module to transmit measurements to EMR systems Page 52	secas 257 Ultrasonic height measurement for secas Scale-up Line (order code ON SHM ANT NN) Page 51	secas 257 sh Shortened Ultrasonic height measurement for secas Scale-up Line (order code ON SHM ANT NN) Page 51	secas 463 Barcode scanner mount for secas Scale-up Line (all order codes) Page 51	secas 459 Panda for version of secas Scale-up Line without height measurement (order code ON SHM ANT NN). Page 51	secas 487 Animal sticker for secas Scale-up Line (order codes ON SHM ANT NN and ON SHM AVT NN) Page 51
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TECHNICAL DATA

Measuring range		100–220 cm	100–200 cm		
Graduation		1 mm	1 mm		
Dimensions (W x H x D)	95 x 113 x 35 mm	173 x 2,304 x 435 mm	173 x ??? x 435 mm	76 x 75 x 152 mm	380 x 670 x 44 mm
Weight	180 g	6.5 kg	??? kg	200 g	500 g



secas 223
Telescopic measuring rod for the handrail scale secas 645

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TECHNICAL DATA

Measuring range	6–230 cm
Graduation	1 mm
Dimensions (W x H x D)	57 x 2,320 x 286 mm
Weight	952 g



Wheelchair scales



seca 677

EMR-validated wheelchair scale with handrail and transport wheels

seca 665

EMR-validated electronic wheelchair scale

seca 657

EMR-validated electronic platform scale with innovative memory function

seca 675

EMR-validated electronic platform scale

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TECHNICAL DATA

Capacity	300 kg	300 kg	300 kg	300 kg
Graduation	100 g < 200 kg > 200 g	100 g < 200 kg > 200 g	100 g < 200 kg > 200 g	100 g < 200 kg > 200 g
Dimensions (W x H x D)	920 x 1,120 x 1,150 mm	1,102 x 912 x 1,150 mm	893 x 87 x 1,655 mm	904 x 70 x 1,064 mm
Dimensions platform (W x H x D)	800 x 55 x 965 mm	800 x 55 x 965 mm	800 x 55 x 1,465 mm	800 x 55 x 965 mm
Weight	38 kg	33.4 kg	46.2 kg	27 kg
Power supply	Power adapter	Power adapter, rechargeable batteries	Power adapter	Power adapter
Approval class	III	III	III	III

FUNCTIONS

TARE/Pre-TARE	•	•	•	•
HOLD	•	•	•	•
Auto-HOLD	•	•	•	•
BMI	•	•	•	•
Auto-CLEAR	•	•	•	•
Auto weighing range switch-over	•	•	•	•
Damping	•	•	•	•
RESET	•	•	•	•
Automatic switch-off	•	•	•	•
Wi-Fi/Ethernet	optional with seca 452	optional with seca 452	optional with seca 452	optional with seca 452
Transport wheels	•	•	•	•
Ramp	2 x integrated	2 x integrated	2 x integrated	1 x integrated

ACCESSORIES

Interface module	seca 452	seca 452	seca 452	seca 452
Stand for cable remote display			seca 472	seca 472

EMR-VALIDATED

to any EMR system	•	•	•	•
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Accessories for wheelchair scales



seca 452

Interface module to transmit measurements to EMR systems

seca 472

Stand for display elements of seca scales with cable remote display

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TECHNICAL DATA

Dimensions (W x H x D)	95 x 113 x 35 mm	460 x 1,035 x 460 mm
Weight	180 g	7.8 kg

Chair scales



seca 959

EMR-validated chair scale with precise graduation

seca 956

Chair scale for weighing while seated

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TECHNICAL DATA

Capacity	300 kg	200 kg
Graduation	50 g < 150 kg > 100 g 100 g < 250 kg > 200 g	100 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, rechargeable batteries	Batteries
Approval class	III	III

FUNCTIONS

TARE	•	•
Pre-TARE	•	•
HOLD	•	•
Auto-HOLD	•	•
BMI	•	•
Auto-CLEAR	•	•
Auto weighing range switch-over	•	•
Damping	•	•
RESET	•	•
Automatic switch-off	•	•
Wi-Fi/Ethernet	optional with seca 452	

ACCESSORIES

Interface module	seca 452
Battery for longer mobile use	seca 454

EMR-VALIDATED

to any EMR system	•
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Accessories for chair scales



seca 452

Interface module to transmit measurements to EMR systems

seca 454

Battery for longer mobile use of chair scale seca 959

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TECHNICAL DATA

Dimensions (W x H x D)	95 x 113 x 35 mm	
Weight	180 g	354 g

Specialized scales



seca 856

Digital organ and diaper scale with stainless steel cover

seca 852

Digital portion and diet scale

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TECHNICAL DATA



Capacity	5 kg	3 kg
Graduation	1 g < 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	•	•
Automatic switch-off	•	•



Medical Body Composition Analyzers

					
seca mBCA 515 Medical Body Composition Analyzer for determining body composition while standing Page 69	seca mBCA 555 Medical Body Composition Analyzer with ultrasonic height measurement Order code: ON IHM AUT NN Page 70	seca mBCA 555 Medical Body Composition Analyzer with ultrasonic height measurement (short) Order code: ON IHM AVT NN Page 70	seca mBCA 555 Medical Body Composition Analyzer Order code: ON IHM ANT NN Page 70	seca mBCA 555 Medical Body Composition Analyzer Order code: ON IHM ANT NN Page 70	seca mBCA 525 Medical Body Composition Analyzer for determining body composition in a lying position Page 72

GENERAL					
Capacity	300 kg	300 kg	300 kg	300 kg	
Graduation	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	50 g < 150 kg > 100 g	
Dimensions (W x H x D)	976 x 1,251 x 828 mm	838 x 2,387 x 650 mm	838 x ??? x 650 mm	839 x 1,280 x 653 mm	252 x 262 x 230 mm
Dimensions platform (W x H x D)	779.5 x 12 x 510 mm	600 x 70 x 467 mm	600 x 70 x 467 mm	600 x 70 x 467 mm	
Measuring range measuring rod		100–220 cm	100–200 cm		
Graduation measuring rod		1 mm	1 mm		
Weight	36 kg	30.5 kg	??? kg	26.5 kg	3 kg
Display type	8.4" touchscreen, 360° rotatable	4.3" touchscreen, tiltable and rotatable	4.3" touchscreen, tiltable and rotatable	4.3" touchscreen, tiltable and rotatable	7" touchscreen
Power supply	Power adapter	Power adapter	Power adapter	Power adapter	Power adapter, rechargeable battery
Approval class	III	III	III	III	
Medical Device Class	Ila	Ila	Ila	Ila	Ila
Connectivity	Ethernet	Wi-Fi, Ethernet	Wi-Fi, Ethernet	Wi-Fi, Ethernet	Wi-Fi, Ethernet
Ports	USB 2.0	USB for barcode scanner	USB for barcode scanner	USB for barcode scanner	USB 2.0
Compatible printers	Conventional laser printer and inkjet printer via PC software seca analytics 115	Conventional laser printer and inkjet printer via cloud-based software seca analytics 125	Conventional laser printer and inkjet printer via cloud-based software seca analytics 125	Conventional laser printer and inkjet printer via cloud-based software seca analytics 125	Conventional laser printer and inkjet printer via PC software seca analytics 115

BIOELECTRICAL IMPEDANCE ANALYSIS					
Measurement method	8-point Bioelectrical Impedance Analysis				
Measurement frequencies	1; 1.5; 2; 3; 5; 7.5; 10; 15; 20; 30; 50; 75; 100; 150; 200; 300; 500; 750; 1,000 kHz	1; 2; 5; 10; 20; 50; 100; 200; 500 kHz	1; 2; 5; 10; 20; 50; 100; 200; 500 kHz	1; 2; 5; 10; 20; 50; 100; 200; 500 kHz	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	Right arm, left arm, right leg, left leg, right half of body, left half of body, torso	Right arm, left arm, right leg, left leg, right half of body, left half of body, torso	Right arm, left arm, right leg, left leg, right half of body, left half of body, torso	Right arm, left arm, right leg, left leg, right half of body, left half of body, torso
Measurement current	100 µA				
Measurement duration	17 seconds	24 seconds	24 seconds	24 seconds	30 seconds


INCLUDED					
BIA platform		seca mBCA 555	seca mBCA 555	seca mBCA 555	
BIA handrail		seca mBCA 550	seca mBCA 550	seca mBCA 550	
Ultrasonic height measurement		seca 257	seca 257 sh		
Software	seca analytics 115				

REQUIRED ACCESSORIES					
Software	Cloud-based software seca analytics 125				





ACCESSORIES					
Ultrasonic height measurement		seca 257 sh	seca 257	seca 257 or seca 257 sh	
Children's grip electrodes		seca 457	seca 457	seca 457	
Animal sticker		seca 487	seca 487		
Panda				seca 459	
Barcode scanner mount		seca 463	seca 463	seca 463	
Rolling stand				seca 475	
Basket for rolling stand				seca 490 0019	
Carrying case				seca 432	

CONSUMABLES					
Single-use electrodes					490 0020
EMR-VALIDATED to any EMR system	•	•	•	•	•

Accessories for medical Body Composition Analyzers


					
seca 257 Ultrasonic height measurement for seca mBCA 555 Page 70	seca 257 sh Ultrasonic height measurement (short) for seca mBCA 555 Page 70	seca 457 Children's grip electrodes for seca mBCA 555 Page 70	seca 487 Animal sticker for seca mBCA 555 (order codes ON IHM AUT NN and ON IHM AVT NN) Page 70	seca 459 Panda for version of seca mBCA 555 without height measurement (order code ON IHM ANT NN). Page 70	seca 463 Barcode scanner mount for seca mBCA 555 Page 70

TECHNICAL DATA						
Measuring range	100–220 cm	100–200 cm				
Graduation	1 mm	1 mm				
Dimensions (W x H x D)	173 x 2,304 x 435 mm	173 x ??? x 435 mm	604 x 119 x 124 mm	60 x 2,346 x 0.5 mm	380 x 670 x 44 mm	76 x 75 x 152 mm
Weight	6.5 kg	??? kg	1 kg	200 g	500 g	200 g

			
seca 475 Rolling stand for mobile use of seca mBCA 525 Page 73	seca 490 0019 Basket for rolling stand seca 475 Page 73	seca 432 Carrying case for seca mBCA 525 Page 72	490 0020 Single-use electrodes for BIA measuring mat Page 72

TECHNICAL DATA			
Dimensions (W x H x D)	600 x 600 mm (W x H), Height adjustable from 695–1,185 mm	320 x 200 x 210 mm	410 x 310 x 295 mm
Weight	10.5 kg	2 kg	950 g

Software for medical Body Composition Analyzers

	seca analytics 125 Cloud-based software for the professional evaluation of body composition Page 74	seca analytics 115 Medical PC software for the professional evaluation of body composition Page 74
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System requirements	Web application with Google Chrome, Microsoft Edge, Mozilla or Safari browser	Windows PC
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EMR-VALIDATED to any EMR system	•	•
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seca technical terms – a brief explanation.

Measuring systems and scales:

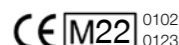
TARE function	Useful when any additional weight (e.g. diapers or blankets of babies/small children and also chairs or wheelchairs) is not to be included in the result. First, this additional weight is measured and then the display is reset to zero. The weight of this object is then disregarded at the next weighing.	Patient data input	Data such as gender, age and PAL (Physical Activity Level) can be entered via the input key on the multifunction touch display of the seca 285. Together with the height and weight measurements, the data are wirelessly transmitted to calculate the resting energy expenditure and total energy expenditure or percentiles for children and teenagers.
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.	CLEAR, Auto-CLEAR function	Old measurements or patient data can lead to incorrect calculations. Therefore, the CLEAR function deletes results from previously measured patients. It can be activated manually or automatically with Auto-CLEAR after five minutes.
BMIF	The amount of milk taken by a baby when being breastfed can be ascertained with the aid of the Breast-Milk-Intake function (BMIF). At the touch of a button, the weight of the baby determined before feeding is stored and then deducted from the weight determined after feeding (difference function).	Limit value function	For effective monitoring of patients, one can preset a weight limit and an alarm rings if this is exceeded.
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 only the weight of the child, with an accuracy of down to 50 g.	Weighing range switch-over, auto weighing range switch-over	seca scales with a multi-range function let you quickly switch manually from one range to another. From a fine graduation at low capacity in scale range 1 to maximum capacity in scale range 2.
HOLD, Auto-HOLD	Once the weight has been saved with a press of the HOLD key, it remains in the display after the patient has left the scale. This function lets the doctor or nurse care for the patient first and then record the weight. When the Auto-HOLD function is activated, the HOLD function is automatically triggered as soon as the weight has stabilized.	Damping function	The damping function makes it possible to determine the precise weight in spite of disturbances 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.
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 24.9. If the value is higher or lower, medical advice should be obtained.	RESET function	The RESET function restores the factory settings.
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.	SEND, Auto-SEND function	At the touch of a button, the 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.
		Confirm 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 three points (shoulders, rear-end, and heels) together with a stadiometer. This ensures the patient is standing fully upright.

seca mBCA:

mBCA	Medical Body Composition Analyzer: a device that provides a medically precise measurement of a person's body composition.	HYD	Hydration: the ratio of extracellular water to intracellular water.
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.	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.
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.	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 m) ² .
FFM	Fat-Free Mass: the total body weight minus the fat mass.	BIVA	Bioelectrical Impedance Vector Analysis: the way in which the BIVA is presented enables analysis of hydration and cell mass.
FMI	Fat Mass Index: this index measures the proportion of body fat based on the height, weight and fat mass.	BCC	Body Composition Chart: the Body Composition Chart developed by seca shows the measurement points of the fat mass index in a coordinate system and helps to determine body composition.
FFMI	Fat-Free Mass Index: this is a measurement of the muscle definition of a human body. The measurement is based on the body height, weight and fat-free mass.	EMR	Electronic Medical Record: these are information systems that are used in hospitals to record and present patient information.
SMM	Skeletal Muscle Mass: this includes all the muscles that are attached to the skeleton or – by extension – used to move the body.	HL7, GDT	These are recognized data formats needed by most EMR systems to process patient data.
TBW	Total Body Water: the sum of the fluids outside and inside the cells of the body, not including the substances dissolved therein.		
ECW	Extracellular Water: all fluids found outside the cells in the human body.		
ICW	Intracellular Water: all fluids found inside the cells in the human body.		
REE	The amount of energy that the body needs per day of complete rest, at room temperature and with an empty stomach, in order to keep the bodily functions working.		
TEE	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 exertions).		



The products in this catalog bearing the symbol CE 0123 and/or CE 0102 fulfill the applicable requirements of 93/42/EEC (MDD) or EU 2017/745 (MDR) on medical devices and/or directive 2014/31/EU on non-automatic weighing instruments.



Scales bearing this symbol and products shown in this catalog bearing the CE 0102 sign comply with directive 2014/31/EU on non-automatic weighing instruments. seca scales with this symbol comply with the

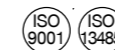
stringent quality and technical requirements applicable to calibratable scales. Scales bearing this symbol also fulfill the applicable requirements of 93/42/EEC (MDD) or EU 2017/745 (MDR) on medical devices.



Scales with these symbols meet the stringent requirements of accuracy classes III or IIII. Calibration class III scales can be used for calibration-required measurements in medicine.



Products bearing this symbol fulfill the applicable requirements of the 93/42/EEC (MDD) or EU 2017/745 (MDR) on medical devices.



The professionalism of seca is also officially recognized. The notified body for medical devices responsible for seca confirms with the certificate that seca consistently complies with the strict legal requirements as a manufacturer of medical devices. The quality assurance system at seca includes

the areas of Design and Development, Production, Sales and Service of medical scales, height measuring instruments, software and measurement systems for the assessment of health status and nutritional condition. seca is authorized to conduct the manufacturer's conformity assessment of medical scales.



We are anxious to preserve our natural resources. This is why we strive to save packaging material where practical. And what is left over can be conveniently disposed of locally via Germany's Dual System recycling programme.



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

seca operates worldwide with headquarters
in Germany and branches in:

seca france

seca united kingdom

seca north america

seca schweiz

seca zhong guo

seca nihon

seca mexico

seca austria

seca polska

seca middle east

seca suomi

seca américa latina

seca asia pacific

seca danmark

seca benelux

seca lietuva

and with exclusive partners in
more than 110 countries.

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