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Medical Measuring Systems and Scales since 1840

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seca austria

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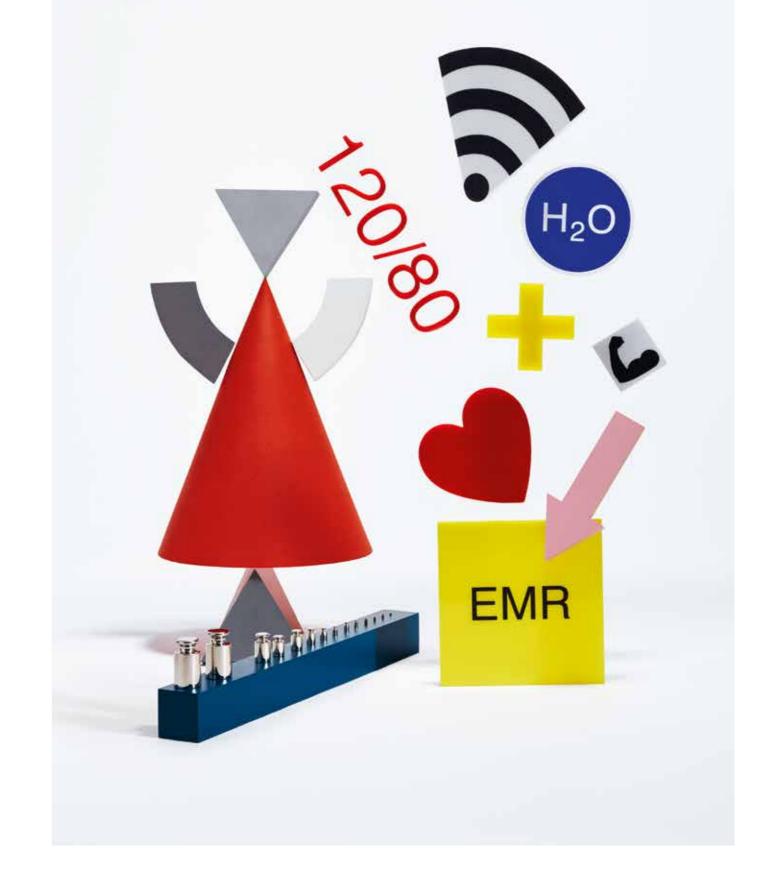
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and with exclusive partners in more than 110 countries.

All contact data at www.seca.com







We are designing the transformation.





Innovation

Improve quality, earn trust

Obesity, Type 2 diabetes, kidney disease, cancer and malnutrition are among the medical challenges of the 21st century. Nutrition and weight-related diseases and complications burden the affected patients, medical personnel and the healthcare system. To combat the problems at all levels, we have taken Bioelectrical Impedance Analysis (BIA) in body composition measuring to a new level. For the first time, seca has had the precision of the BIA parameters validated against the respective gold standards in a multi-center study* and has developed a measurement solution that records the patient's nutritional status and state of health within seconds.

More information is available at mbca.seca.com

*Studies: Bosy-Westphal A, Schautz B, Later W. Kehayias JJ, Gallagher D. What makes a BIA equation unique?

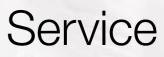
Validity of eight-electrode multifrequency BIA to estimate body Composition in a healthy adult population. Eur J Clin Nutr 2013; 67: 14-21; doi:10.1038/ejcn.2012.160

Integration

Increase efficiency, prepare for the future

Medical staff members have just a few minutes to spend with each patient. Routine procedures such as measuring and documenting vital signs, weight and height, however, consume valuable time of qualified personnel. To increase efficiency in everyday medical tasks and guarantee error prevention, seca has developed solutions that automatically capture data within seconds and transmit the error-free measurements directly to an Electronic Medical Record (EMR) system, where they are centrally archived. With digital centralisation of all relevant patient data, users can quickly detect changes, see everything in context and get a complete picture of the

More information is available at **integration.seca.com**



Surpass standards, increase capacity

In the era of digitalisation we are no longer concerned only with the maintenance and repair of scales. Software solutions and EMR ready measuring systems bring a new level of complexity and demand more skills and knowledge from users than ever before. seca has bundled those required skills – from the registration, calibration and repair of devices to the connection of EMR ready products in existing EMR systems – into an extensive service concept. We offer innovative products supplemented with professional services for hardware and software in order to ensure quality and free up time that users can devote to other priorities.

More information is available at www.secaservice.com

Best-fit products by medical area of application

PRIMARY CARE



seca mBCA 515 Page 30



seca mVSA 535 Page 34



Ultrasonic measuring station seca 287 Page 38



SECONDARY CARE



seca mBCA 515



seca mVSA 535



Ultrasonic measuring station seca 287



Stadiometer seca 274

NEPHROLOGY & DIALYSIS



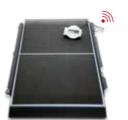
seca mBCA 525



seca mVSA 535



Multifunctional scale seca 685 Page 67



Platform scale seca 657 Page 70

ENDOCRINOLOGY & DIABETOLOGY





seca mVSA 535 Page 34



Ultrasonic measuring station seca 287 Page 38



Platform and bariatric scale seca 635 Page 50

INTENSIVE CARE



seca mVSA 535





NEONATOLOGY



Baby scale seca 757 Page 13



Page 21





Baby scale seca 376 Baby scale seca 336 i





Ultrasonic measuring station seca 287

GYNECOLOGY & OBSTETRICS



seca mVSA 535 Page 34



Page 42

CLINICAL NUTRITION



seca mBCA 515



Ultrasonic measuring station seca 287

GERIATRICS



Page 73



Wheelchair scale seca 677 Page 68



For more information on seca products or services, contact us on:

0121 643 9349





PAEDIATRIC SCALES AND MEASURING SYSTEMS Page 10



MEASURING STATIONS
AND COLUMN SCALES Page 36



HEIGHT MEASURING SYSTEMS Page 56



/ MEDICAL BODY COMPOSITION ANALYZERS Page 28



Page 78 **09** SOFTWARE

03

MEDICAL VITAL SIGNS ANALYZER

Page 32

Page 80

Technical data Page 84

seca technical terms Page 106

08 SPECIALISED SCALES

Our products and art Page 108







PAEDIATRIC SCALES AND MEASURING SYSTEMS

Exact measurements: as important to life as the air we breathe.

▶ The exact measurement of height and weight is an important prerequisite for a healthy start to life. That is why seca offers everything that makes it easy for doctors and nurses to measure and weigh infants – from a mobile measuring mat to a head circumference tape, and baby scales with a damping function that ensures reliable measurements despite movements.

BABY SCALES

Babies who feel safe and secure are easier to weigh.



▶ Baby scales by seca make weighing fast and comfortable. With 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. seca integration solutions allow you to transmit measurements quickly and securely without cable connections to any EMR (Electronic Medical Record).





The damping system ensures fast and precise measurements

seca 757

EMR ready baby scale with optimised damping system (III)

A special integrated damping system together with the HOLD function for quick, precise weighing even if the baby is restless. The ergonomically shaped tray with high rounded sides makes it easy to weigh larger babies. A new backlit LCD display ensures comfortable reading of the digits, even in dimmed rooms. Power supply is by power adapter or rechargeable batteries. The seca 757 can transmit measurements wirelessly to an EMR system and receive patient data.

- Capacity: 15 kg
- Graduation: 2 g < 5 kg > 5 g
- Functions: TARE, HOLD, Auto-HOLD, auto weighing range switch-over, damping, automatic switch-off, SEND
- Optional: interface module seca 452,
 USB adapter seca 456, mobile carts seca 403
 and seca 402

Compatible with all EMR systems and EMR ready seca products.



The new backlit LCD display ensures an easy reading of the digits, even in dimmed rooms.



Can be operated by rechargeable batteries or power adapter.



Accessories

seca 403 seca 402

Carts for mobile support of seca baby scales

The seca 403 and seca 402 carts are ideal additions to the seca baby scales seca 757, seca 376, seca 336 i, seca 336, seca 385 and seca 384. They were specially developed for safe and hygienic routine use in hospitals and medical practices. Customised indentations in the surface accommodate the scale's base and ensure that the scale does not slip out of place. Two practical brakes keep the cart stable so babies can be safely weighed.

seca | service

For seca 757:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support



EMR ready baby scale with extra large weighing tray (III)

Ergonomic, convenient and time-saving: these are the key words that define the seca 376. Its extra large tray lets you weigh a seated toddler of up to 20 kg, even if the child is fidgety. The adjustable damping function combined with the Auto-HOLD function ensures fast and precise work. Net weight of a baby wearing a nappy? Choose TARE. The amount of milk breast-fed to a baby? Use the BMIF (Breast-Milk-Intake-Function). Measuring and weighing in one step? Yes – thanks to the optional measuring rod seca 233. Transmit the weight measurement wirelessly? Just press SEND. You can do it from any location because the seca 376 is operated by batteries, so there's no need for electrical outlets.

- Capacity: 20 kg
- Graduation: 5 g < 7.5 kg > 10 g
- Functions: TARE, BMIF, HOLD, Auto-HOLD, auto weighing range switch-over, damping, automatic switch-off, SEND
- Optional: USB adapter seca 456, mobile carts seca 403 and seca 402, measuring rod seca 233, head and foot positioners seca 418, switch-mode mains adapter seca 400, power adapter seca 447
- Compatible with all EMR systems and EMR ready seca products.

seca | service

For seca 376:

- · On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support



 $\label{thm:light} \mbox{High sides on weighing tray offer special protection from falling out.}$



With seca integration solutions and the press of a key, the seca 376 can transmit every measurement to an EMR system.



Power supplied by batteries for mobile use.



Accessories

Accessories

seca 233

Measuring rod for baby scale seca 376

The measuring rod seca 233 with integrated head and foot positioner turns the seca 376 into a complete measuring and weighing system. A single time-saving step for measuring and weighing is made possible by the easy assembly and effortless read-out of results.

- Measuring range: 35-80 cm
- Graduation: 1 mm



The optional measuring rod allows simultaneous weighing and height measurement.

seca 418

Head and foot positioner for baby scale seca 376

Easy and convenient: the head and foot positioner seca 418 can easily be attached to the baby scale seca 376. This accessory increases safety by securing baby at head and feet. Integrated handles also make it easier to transport the seca 376.



Head and foot positioner can be easily adjusted for all-around security.





Accessories

seca 336i

EMR ready baby scale with Wi-Fi function* (III)

The seca 336 i is a reliable baby scale of proven high quality. Its ultra-modern equipment with Wi-Fi, optional digital measuring rod and the option for user and patient identification make the scale ready for immediate integration. When weight and height are simply transmitted to the EMR, workflows are made more efficient. The scale's own light weight and integrated handle round off this product.

- 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, SEND, Confirm, Wi-Fi
- Optional: mobile carts seca 403 and seca 402, digital measuring rod seca 234, analogue measuring rod seca 232 n, carrying case seca 428
- Ports: USB bar code scanner

Compatible with all EMR systems and EMR ready seca products.



For seca 336 i:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca 234

Digital measuring rod for baby scale seca 336 i

The digital measuring rod simplifies measuring baby's length with its illuminated LCD display and practical adjustment knob. Its operation is easy and results are easy to read.

- Measuring range: 35–80 cm
- Graduation/printed on measuring rod: 1 mm
- Graduation/digital display:
 1 mm/5 mm/10 mm (configurable)



Measuring is made easier with a digital measuring rod with clear display and transmission function.

Accessories

seca 232 n

Analogue measuring rod for baby scale seca 336 i

As easy to assemble as to read the display: The analogue measuring rod with integrated head and foot positioners make the seca 336 i even more efficient as measuring and weighing are now done in a single process.

- Measuring range: 35-80 cm
- Graduation: 1 mm

seca 336

Electronic baby scale @

The battery-operated scale with large, easy-to-read LCD display combine innovative technology with space-saving design. Due to its low weight and integrated handle (which can also be used for hanging the scale), it is easy to transport and is quickly ready for use anywhere. The optional measuring rod seca 232 n allows measuring and weighing in one step.

Low weight and practical handle make transport effortless.

- 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
- Optional: mobile carts seca 403 and seca 402, digital measuring rod seca 234, analog measuring rod seca 232 n, power adapter seca 401, switch-mode power adapter seca 400, carrying case seca 428



The baby scale can be easily stored and transported.





seca 428

Carrying case for baby scales seca 336 i and seca 336

The baby scales seca 336 i and seca 336 can be safely and efficiently transported in this customised carrying case of water-repellent material equipped with a shoulder strap and practical padding.



seca 385 seca 384

Electronic baby scale with fine graduation, also usable as flat scale for children

Two scales in one: the seca 385 and seca 384 baby scales with a comfortable weighing tray. In no time at all, it can be converted into a floor scale for children with a capacity of 50 kg (seca 385) or 20 kg (seca 384). The weighing tray and the base which serves as the floor scale are securely locked together, thus ensuring that the baby can be weighed absolutely safely. A further advantage of the scale is its Breast-Milk-Intake-Function which determines how much milk the baby has consumed. The robust but lightweight scale is easy to transport; self-explanatory buttons make it easy to operate.

seca 385

- Capacity: 50 kg
- Graduation: 20 g < 20 kg > 50 g
- Functions: TARE, BMIF, HOLD, weighing range switch-over, automatic switch-off
- Optional: mobile carts seca 403 and seca 402, measuring board seca 417, 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 384

- Capacity: 20 kg
- Graduation: 10 g < 10 kg > 20 g
- Functions: TARE, BMIF, HOLD, weighing range switch-over, automatic switch-off
- Optional: mobile carts seca 403 and seca 402, measuring board seca 417, 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

value added

Baby scales that can also weigh toddlers?

There is such a thing - from seca of course. The high capacity of the seca 385 lets you weigh toddlers and children. Simply remove and set aside the weighing tray for babies and the scale is ready for heavier loads of up to 50 kilograms.





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





Accessories

seca 431

Backpack to transport baby scales safely and comfortably

Thanks to padding and securing straps for the scale, the seca 431 is a safe and versatile backpack, that can be also used as a bag. Made of high-quality water-repellent material, this case keeps baby scales seca 385 or seca 384 dry.



Accessories

seca 413

Carrying case for baby scale seca 385 or seca 384

With this case, baby scales seca 385 or seca 384 can be transported comfortably and safely. The exact fit of the seca 413 provides optimum protection and the large opening facilitates the packing and unpacking of the scales. An adjustable shoulder strap makes transport easier and the water-repellent nylon surface keeps everything dry.

seca 745

To simplify cleaning, weighing tray can be removed.

Mechanical baby scale with sliding weights

This model combines classic design with high-quality precision mechanics. Determining an exact weight is child's play, thanks to the smooth movement of precise sliders. The gently curved weighing tray keeps the baby safe during every step of the weighing process. The resetting function that puts the scale back to zero lets the user reliably determine net weight. Before the baby is weighed, the weight of soft padding in the tray or of the baby's nappy can be deducted from the gross weight with use of the reset-to-zero function. The impact-resistant and scratchproof finish makes it easy to care for the seca 745 and contributes to the scale's guaranteed long service life.

- Capacity: 16 kg Graduation: 10 g
- Functions: reset-to-zero function



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

PAEDIATRIC 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 paediatrics – from the infantometer to measuring mat and from measuring rods to the 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.



The unique V-shape automatically places the baby in the right measuring position.

seca 416

Infantometer for measuring babies and toddlers

The sturdy construction and stability of the infantometer makes it quick and easy to measure babies and toddlers up to two years old. The board is generously designed and the raised and softly rounded sides guide the baby easily and safely into the right position. Permanently mounted with rollers on two guide rails, the footpiece slides smoothly along the scale. Because the footpiece is lockable, the baby can be removed and the result noted later. All parts are tough and durable.

- Measuring range: 33–100 cm
- Graduation: 1 mm

seca added value

> An infantometer with a lock-in-place

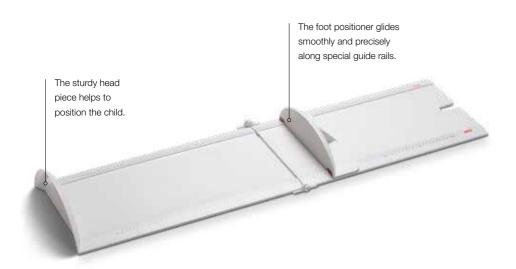
footpiece? There is such a thing – from seca of course. The footpiece on the infantometer seca 416 smoothly slides into position, but cannot be displaced by baby's stomping feet. With the footpiece firmly in place, you can simply measure and read the results. No more readjustments made necessary by a restless baby.







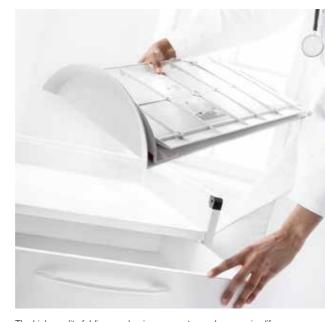
The foot positioner locks into place to capture results.



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

The seca 417's fold-up mechanism and low weight make it compact and easy to transport. For all that, the removable foot stop is securely guided along rails. The measuring board is simple to use and, thanks to its smooth surface, easy to clean. Durability and a long service life are guaranteed by high-quality materials.

- Measuring range: 10–100 cm
- Graduation: 1 mm
- Optional: baby scales seca 385 and seca 384, backpack seca 409 or carrying case seca 414 (each for combination with baby scale) and carrying case seca 412



The high-quality folding mechanism guarantees a long service life. $\label{eq:continuous}$



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



Accessories

Possible combination

seca 412

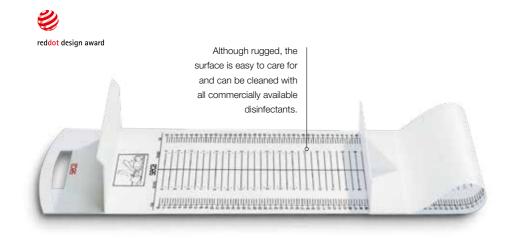
Carrying case for measuring board seca 417

Thanks to its folding mechanism, the mobile measuring board can be stored away compactly and easily transported in this tailor-made carrying case. The robust finish and the durable, water-repellent surface make the bag an indispensable accessory for measuring board seca 417.

seca 385/384, seca 417 and seca 414

The mobile measuring and weighing system for babies and toddlers

Easy-to-use, space-saving, mobile: the mobile measuring and weighing system by seca. To weigh and measure babies and toddlers in a supine position, with double-use baby scale seca 385 or seca 384 and the measuring board seca 417. Packed in the carrying case seca 414 for simple, lightweight and convenient transport.



Mobile measuring mat for babies and toddlers

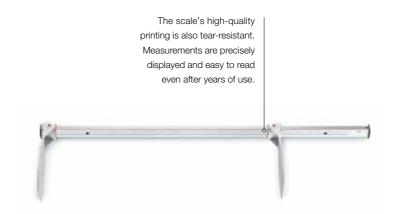
Kind to the skin, washable, foldable with fitting for storing on wall: the lightweight, space-saving solution for easy, precise measurement of the length of babies and toddlers while lying down. The fixed head piece and the sliding foot positioner make it simple to use.

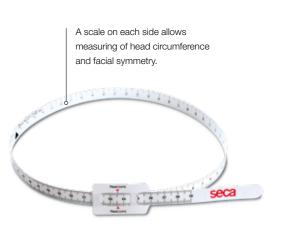
- Measuring range: 10-99 cm
- Graduation: 5 mm
- Optional: backpack seca 409 (for combination with baby scales), carrying case seca 414



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







seca 207

Baby measuring rod with large calipers

For precise measuring when a baby is lying down. The measuring rod can be firmly screwed to the changing table (wall mounting is also possible) or used as a mobile rod. Large head and foot positioners make it easy to determine the length and the calipers fold for ease of storage. Made of aluminum for durability.

- Measuring range: 7-99 cm
- Graduation: 1 mm

seca 212

Measuring tape for head circumference of babies and toddlers

The measuring tape is made of non-stretch material and measures both the head circumference (front side) and the symmetry of the face (reverse side). A practical dispenser (containing 15 tapes) ensures that they are stored safely.

- Measuring range: 3-59 cm
- Graduation: 1 mm



15 pcs. per unit



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



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



Disposable measuring tape in practical wall dispenser

The environmentally friendly and high-quality disposable measuring tapes simplify your hectic routine work. They can be individually removed from the practical wall dispenser for hygienic use. The wall dispenser is space-saving as well as easy to install and refill.

- Measuring range: 0-100 cm
- Graduation: 1 mm



500/1,000 pcs. per unit



Extra space to write down name, height, weight and date.



seca

Simple refilling of up to 100 measuring tapes.



Disposable measuring tape for head circumference in practical wall dispenser

The seca 211 measuring tapes are designed to be user-friendly and easy to read with clearly visible measuring points to ensure precise results. The strength of the tape is optimal for easy tearing and refilling. The measuring tapes are recyclable and therefore environmentally friendly. The wall dispenser can be easily installed anywhere.

• Measuring range: 12-59 cm

Graduation: 1 mm



500/1,000 pcs. per unit



The seca 211 and seca 218 are available in a pack of 500 (with dispenser) or 1,000 pieces.





MEDICAL BODY COMPOSITION ANALYZERS

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

▶ Height and weight alone are not enough for a more extensive analysis of a patient's body composition. What about fat, muscle and water content? All of these are important indicators of serious diseases. This is precisely why we at seca developed medical Body Composition Analyzers, which provide all of these values and have been validated to the medical science gold standard*: It is thereby possible to determine the fat mass, visceral fat, extracellular and intracellular water and the skeletal muscle mass in a medically precise way. In short: the seca mBCAs are innovative instruments for the support of diagnosis and therapy control and enable successful patient consultations.

^{*} Studie

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

The integrated touch-screen display not only allows you to enter patient data; it also enables you to monitor the progress of the measurement and conveniently analyse the results from many different perspectives.

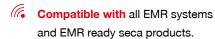




Medical Body Composition Analyzer for determining body composition while standing

The seca mBCA 515 is a medical Body Composition Analyzer, which is ideally adapted to the working conditions in hospitals and medical practices. After all, in order to obtain a truly meaningful Bioelectrical Impedance Analysis (BIA), we need to look beyond the many technical requirements. A faster and simpler way to ascertain body composition, e.g., body fat and water, also has to be ensured. For another, the measurement results have to be reproducible under normal clinical working conditions. These exact considerations went into the development of the seca mBCA 515.

- Capacity: 300 kg
- Graduation: 50 g < 150 kg > 100 g
- Medical device class: Ila
- Display type: 8.4" touchscreen display, can be rotated 360°
- Interfaces: USB 2.0, Ethernet, seca 360° wireless technology
- Measurement method: 8-point Bioelectrical Impedance Analysis
- Measurement current: 100 μA
- Measurement time, normal mode: 17 seconds





Data and measurements are sent to the PC software and from there integrated in the EMR system via the internal network.



seca | service

For seca mBCA 515:

- On-site seca mBCA installation service including seca network configuration
- On-site seca mBCA maintenance service



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.



The clearly organised presentation of all

measurement results simplifies diagnosis and thereby the patient consultation

as well. The pressure-sensitive technol-

ogy enables the menu to be operated

even while wearing gloves or under a

protective covering.

Medical Body Composition Analyzer for determining body composition while lying down

The seca mBCA 525 is the mobile solution for Bioelectrical Impedance Analysis (BIA). Its low weight, good handling and precise measurement technology make it very efficient and versatile. Its technology is one-of-a-kind in the world because fat mass, muscle mass, and body water are determined with a newly developed measuring mat. It is automatically networked by Wi-Fi to the touchscreen monitor, which can store up to 100,000 measurements. This enables many patients to be measured and courses of therapy to be reliably documented for years.

- Weight: 3 kg
- Electrode type: adhesive electrodes (PVC-free)
- Medical device class: Ila
- Dimensions (WxHxD): 252 x 262 x 230 mm
- Interfaces: Wi-Fi, Ethernet, USB 2.0, seca 360° wireless technology

- Measurement method:
 8-point Bioelectrical Impedance Analysis
- Power supply: power adapter, rechargeable battery
- Display type: 7" touchscreen display
- Measurement current: 100 μA

EMR Integration

- Measurement time: 30 seconds
- Frequencies: 8
- Measured data storage: up to 100,000 measurements
- Housing made of flame-retardant plastic
- Optional: mobile stand seca 475, Smart Bucket seca mVSA 526, carrying case seca 432
- Compatible with all EMR systems and EMR ready seca products.



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





The measuring mat is a true multifunctional tool. It is powered by its own rechargable

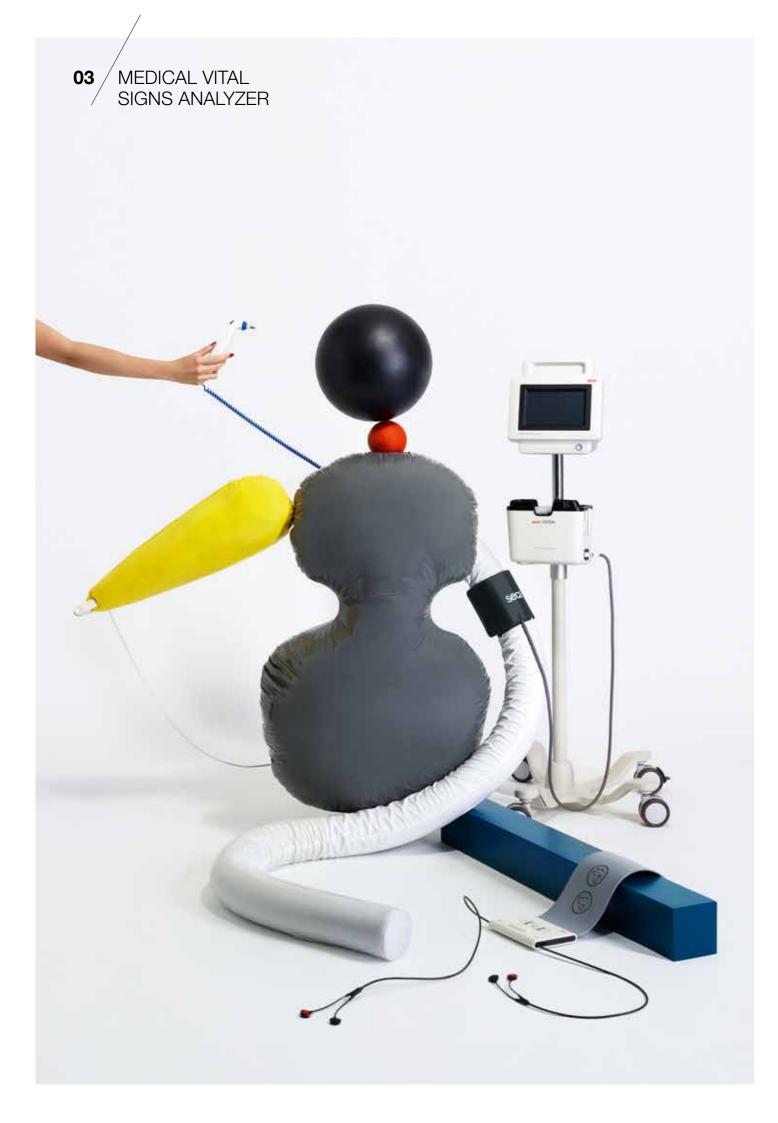
battery that is charged by induction and

therefore operated fully self-sufficiently.

The measured data is transferred to the

monitor via a Wi-Fi signal.

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



MEDICAL VITAL SIGNS ANALYZER

The world's first medical Vital Signs Analyzer with BIA measurement.

▶ Monitoring vital signs is a time-consuming task in hospitals and medical practices. The seca mVSA was developed to support these routine checks and makes these measurements more efficient. Measure the four vital parameters of blood pressure, SpO₂, pulse rate, and temperature in one work step using the components integrated into the spot-check-monitor. The thing that makes the seca mVSA one of a kind in the world is the additional option to measure body composition consisting of fat mass, muscle mass, and body water through a Bioelectrical Impedance Analysis using the integrated measuring mat. You can measure the most important parameters and gain deeper insights into the health status of your patients. You thereby save time and gain additional certainty for the preparation of diagnoses and therapies.



Four vital signs and BIA ideal for a more in-depth body composition analysis and informed diagnoses.

seca mVSA 535

Spot-check-monitor for customised configuration

You can now measure more parameters in a routine check and broaden your diagnostic and therapeutic options through the combined determination of BIA and vital signs. The highperformance software communicates with any network and guarantees the error-free transmission of all measurement values to your EMR system. seca offers the spot-check-monitor with the Bioelectrical Impedance Analysis function in many interesting configurations as a one-of-a-kind device worldwide. An update for the seca mBCA 525 is also possible across all product ranges.

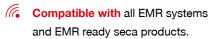
Included

NIBP

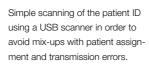
Selectable

- Masimo SET SpO₂ or seca SpO₂ technology
- In-ear thermometer or oral/axillary, rectal temperature probe
- seca mBCA 531 BIA measuring mat

• seca 4750535 rolling stand, carrying case seca 432









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



The integrated rechargeable battery and the stand guarantee high mobility and independence. Therefore it is not necessary to connect it to an external power source during the work day.



The sophisticated concept enables the simple removal and clean storage of all components.



seca mVSA 526

Smart Bucket for the seca mBCA 525*

The Smart Bucket for the seca mBCA 525 combines the most advanced medical measurement technology with well thought-out cable management. Its processor processes the four conventional vital signs of blood pressure, SpO₂, pulse rate, and temperature as well as the parameters of an entire body composition analysis consisting of fat, water, and muscle content and presents the measurement results on a separately available monitor.

Included

NIBP

Selectable

- Masimo SET SpO₂ or seca SpO₂ technology
- In-ear thermometer or oral/axillary, rectal temperature probe
- seca mBCA 525



Components



seca 4750535

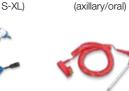


seca mBCA 531



Sphygmomanometer cuffs (sizes S-XL)

In-ear thermometer





Temperature

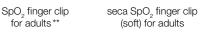
(rectal)

Temperature





for adults





♥MasimoSET







MEASURING STATIONS AND COLUMN SCALES

What can a scale do besides weigh? Think.

▶ The measuring stations and column scales by seca are distinguished by high precision and many features that simplify everyday medical work. Routine procedures are shortened, measuring and weighing are sped up and measurements from some products are transmitted to an EMR system. Thus, doctors and nurses always have the data they need at hand, even the minor details like intuitive operation or easy cleaning of the platforms get a lot of attention at seca.

MEASURING STATIONS

Measuring and weighing in a single step.



value added , seca

Height, weight, and BMI - automatically determine, display, and send? This revolution from seca takes care of everything at once. The seca 287 works fully automatic and sends all measurement results to the EMR. Trust in the 178 years of experience in German medical engineering and increase your flexibility.

seca | service

For seca 287:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

▶ The measuring stations by seca are a big help in everyday medical work. Thanks to the combination of measuring rod and scale, height and weight can be digitally obtained in a single procedure. There's no longer any effort involved in figuring out the BMI. Once the patient's height has been confirmed, the BMI appears in the display.

seca 287

EMR ready ultrasonic measuring station for height and weight with voice guidance **(III)**

With the seca 287 we have redefined the technical limit of our measuring stations. Three pairs of ultrasonic sensors record the patient's height in milliseconds. The regular Auto-calibration ensures precise results. Everything is calculated using a specially developed digital analysis algorithm that ensures an incomparably high degree of measurement precision. The optionally activated/ deactivated voice guidance is programmed for independent measurement so that individual and series measurements can be made reliably, precisely and fully automated. The seca ultrasonic sensors deliver reliably precise measurement results even in continuous operation, whereby the entire measurement is very comfortable due to the silent acoustics. Everything - from voice guidance and EMR system integration to the practical printout of measurement results - is designed to provide maximum support of automated measurement.

Scale:

- Capacity: 300 kg
- Graduation: 50 g < 150 kg > 100 g
- Functions: Pre-TARE, mother/child-function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456
- Version: seca 287 dp with directprint function available

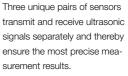
Length measurement:

- Measuring range: 60-210 cm
- Graduation: 1 mm
- · Ultrasonic technology: 3 pairs of sensors (3 receivers, 3 transmitters)
- Auto-calibration

Compatible with all EMR systems and EMR ready seca products.









The digital touchscreen

but also has a keylock

to prevent patients from accidentally changing the

display can be easily oper-

ated by medical specialists

The interface module seca 452 makes it possible to integrate measurements directly in EMR systems.

EMR ready measuring station for body height and weight @

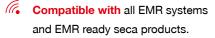
The EMR ready measuring station seca 285 allows measuring and weighing to be done in one step. Other benefits include the high-capacity scale integrated in a stable glass platform, the heel positioner and the solid headpiece with the integrated seca Frankfurt Line – for precise head positioning. The seca 285 is equipped with two displays, one is for a direct read-out of height from the headpiece and the other, a three-line multi-function touch display that shows height, weight and the automatically calculated BMI. On top of all that, the scale has a fine graduation of 50 g that lets the user detect even slight changes in the patient's weight.

Scale:

- Capacity: 300 kg
- Graduation: 50 g < 150 kg > 100 g
- Functions: Pre-TARE, mother/child-function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, auto weighing range switch-over, damping, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456
- Version: seca 285 dp with directprint function available

Measuring rod:

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









It takes just the press of a key on the multi-function touch display to send the measurements wirelessly to an EMR. No need to worry about fingerprints - the touch display is very easy to clean.









For seca 285:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support



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



The stable glass platform with integrated heel positioner guarantees precise measurement results and a secure foothold, even on a free-standing scale in the middle of the room.



seca directprint versions



Obtain an easy-to-read one page printout with your patients measurements.

seca 287 dp seca 285 dp

EMR ready measuring station for height and weight with directprint function (III)

The seca directprint is the ideal tool for raising awareness of maintaining a healthy weight. It doesn't just tell your patients their height, weight and BMI, it also gathers together their measurements with lots of sound information and tips in an easy-to-read one page printout. In seconds, it provides the ideal ice-breaker for your overweight patients because it draws attention to the subject of overweight and obesity without direct confrontation.

COLUMN SCALES

Help, wherever they can.



seca I service

For seca 704:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca added value

A column scale that can receive height measurements and then calculate the BMI?

There is such a thing – from seca, of course. With the help of the seca integration solutions the seca 704 can receive data from an EMR ready stadiometer (seca 274 or seca 264) and then automatically calculate the BMI from height and weight. Do the results need to be sent wirelessly to an EMR system? It's as easy as pressing the function key.

After 178 years, it's nearly impossible to imagine the medical field without seca scales. Thanks to the high precision, durable construction, and robust electronics, it is clear that there are precise details that go into every seca scale. Details like unmatched low energy consumption or smooth-rolling castors, made for effortless transport into the next room.

seca 704

EMR ready column scale with capacity up to 300 kilograms (III)

Weighing small children to obese patients – the seca 704 can do it all. Especially when it comes to finding out BMI and height. Then there are two options: integrate a mechanical measuring rod or receive data wirelessly from a separate digital stadiometer. Other advantages include the high load bearing capacity of up to 300 kg for heavyweight patients, the large and flat platform and time-saving functions Pre-TARE, HOLD, Auto-HOLD and mother/child-function. With everything primed for the future and integration in EMR.

- Capacity: 300 kg
- Graduation: 50 g < 150 kg > 100 g
- Functions: TARE, Pre-TARE, mother/child-function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452,
 USB adapter seca 456, measuring rod seca 220
 or seca 224, switch-mode mains adapter seca 400

Compatible with all EMR systems and EMR ready seca products.



The base is of heavy cast iron, capable of withstanding heavy loads.



Optional telescopic measuring rod.

Practical castors permit mobile use.



With the interface module seca 452, the seca 704 can transmit every measurement directly to an EMR system.



seca 704s

EMR ready column scale with integrated measuring rod (11)

Measuring and weighing in a single step – that is why the EMR ready column scale seca 704 s was developed. In addition to the patient's weight, the patient's height is also precisely measured with an integrated measuring rod up to 230 cm. The seca 704 s automatically determines the BMI from these two values. The results can immediately be sent wirelessly to an EMR. Intelligent details simplify operation so the display can be operated when the patient is still standing on the scale and reading the measuring rod is easy through the printing on both sides. Using the time-saving TARE function, also known as the mother/child-function in paediatrics, the child can be weighed in its mother's arms without disturbance. The previously stored body weight of the mother is subtracted so that only the weight of the child is obtained. The heel positioner also makes reproducible height measurements possible by means of 3-point measurement.

Scale:

- 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, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456, head positioner seca 430, switch-mode mains adapter seca 400

Measuring rod:

- Measuring range: 6-230 cm
- Graduation: 1 mm

Compatible with all EMR systems and EMR ready seca products.



It's very easy to read the numbers printed on the side.



Practical castors permit mobile use.

seca | service

For seca 704 s:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca 799

Electronic column scale with BMI function (III)

Versatile, low-maintenance and site-independent with economic battery operation – the seca 799 is ideal for daily use in hospitals and doctors' practices. With its transport castors, the column scale is also easy to move around. The seca 799 is equipped with several intelligent functions. For example, the BMI function allows a reliable evaluation of the nutritional condition of the patient. The column scale can also be fitted with the optional measuring rod seca 220 or seca 224 so that both height and weight can be determined in just one time-saving step.

· Capacity: 200 kg

• Graduation: 100 g < 150 kg > 200 g

 Functions: TARE, HOLD, BMI, weighing range switch-over, automatic switch-off

 Optional: measuring rod seca 220 or seca 224, switch-mode mains adapter seca 400



Accessories

seca 224

Side-mounted telescopic measuring rod for seca column scales

This telescopic measuring rod can be fitted to many existing seca column scales. Its side mounting position means the measuring piece is always positioned centrally and above the head, even with overweight patients, thus enabling trouble-free measurement.

- Measuring range: 60-200 cm
- Graduation: 1 mm
- Optional: head positioner seca 430



The optional telescopic measuring rod on many seca column scales allows simultaneous measuring and weighing.



All it takes is the press of a key to find out BMI.

The slip resistant surface guarantees a safe and secure foothold.



Mechanical column scale with eye-level beam (11)

With a capacity of 220 kg, this mechanical column scale is the ideal solution for weighing even overweight patients. This is due partly to the generously proportioned, low platform. The scale is printed on both sides to allow both the patient and the user behind the scale to read the weight. The high-quality base is made of cast iron, the column from steel – this guarantees not only firm footing, but also a long service life. The column scale can also optionally be fitted with the seca 220 measuring rod.

- Capacity: 220 kg
- Graduation: 100 g
- Functions: reset-to-zero function
- Optional: measuring rod seca 220



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.

Accessories



The optional measuring rod allows convenient weighing and measuring in one step.

seca 220

Telescopic measuring rod for seca column scales

This telescopic measuring rod can be fitted at any time to many seca column scales. It has the same convenient eyelevel read out even for taller patients.

- Measuring range: 60-200 cm
- Graduation: 1 mm
- Optional: head positioner seca 430



46 | 47



FLAT SCALES

Even space-saving do plenty for the patient.

▶ Where space is limited, there is still enough room for seca scales and their many functions. Routine medical work is made easier. Other features of seca flat scales include the high weight-bearing capacity of up to 300 kilograms and the extremely long usage, powered by a battery set. Practical accessories such as carrying cases and a stand for a separate display, make work easier for the user.





EMR ready platform and bariatric scale •

Obesity is the fastest growing health problem in the world. This battery-operated digital scale was specially developed to weigh obese patients, with a weighing range of up to 300 kg and a sturdy, non-slip 56 x 56 cm platform that is just 5.5 cm high. Patients also may be weighed while seated; the weight of the chair is simply deducted with the Pre-TARE function. The cable remote display (cable length: 2.5 m) with easy-to-read LCD can be held, mounted on a wall or placed on a table. The 100 g graduation registers the slightest weight changes even after the patient has left the scale, thanks to the HOLD function. The integrated Body Mass Index (BMI) function and the simple transmission of measurements to an EMR system further enhance the versatile use of this unique multifunctional scale.

- Capacity: 300 kg
- Graduation: 100 g < 200 kg > 200 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452,
 USB adapter seca 456, stand for cable remote
 display seca 472, switch-mode mains adapter seca 400
- **Compatible with** all EMR systems and EMR ready seca products.

seca | service

For seca 635:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca added value

Flat scales for heavy weight patients with a separate display element? There is such a thing – from seca of course. It is the platform and bariatric scale seca 635. The advantage of the mobile display provides medical staff with the ability to read the results from any location – discreetly and conveniently at a desk, at eye-level on the wall or from a stand in the middle of the room.



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



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





seca 472

Stand for cable remote display of seca scales

The seca 472 stand is the stable solution for cable remote displays of seca 635, seca 657 and seca 675 scales. The sturdy construction with non-slip steel feet can be positioned anywhere quickly and securely. The display element can easily be attached to the stand by means of a stable bracket.



seca 421 Carrying case

This carrying case is made from water-repellent material to allow safe transportation of the seca 899 flat scale. The handy side pocket also allows safe transportation of a cable remote display or other accessories.



seca 899

Flat scale with cable remote display @

A two-meter long cable connects the display with the weighing base. Advantage: the display can be set up separately from the base and read from its position on the wall or desk. Additional convenience is supplied by the many extra weighing functions: BMI for nutritional conditions, HOLD to keep measurements displayed and TARE for weighing small children held in an adult's arms. It is suitable for stationary or mobile use thanks to its handle, compact size, low weight and a leveling base for set-up on all types of surfaces.

- Capacity: 200 kg
- Graduation: 100 g < 150 kg > 200 g
- Functions: TARE, HOLD, BMI, automatic switch-off
- Optional: stadiometer seca 217 combined with adapter element seca 437, backpack seca 409 or carrying case seca 414 (for combination with stadiometer and adapter element) and carrying case seca 421



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



Both doctor and patient can see the result at the same time in the double display.

seca 878

Flat scale for mobile use with push buttons and double display **(III)**

The seca 878 can do everything that a scale in mobile use should do and more. It is light, extremely robust, easy to operate, provides precise measurements in any level of humidity and has a long battery life – or can alternatively be connected to the mains. When conducting one examination after the other, there's no need to bend over repeatedly, thanks to the push button that can be turned on and off with a toe tap. The double display lets the patient and medical personnel read the results from two different aspects at the same time. Thanks to the 2-in-1-button, the scale can weigh a child held in its parent's arms.

- Capacity: 200 kg
- Graduation: 100 g < 150 kg > 200 g
- Functions: mother/child-function, HOLD, automatic switch-off
- Battery-operated or using power adapter
- Optional: stadiometer seca 217 combined with adapter element seca 437, power adapter seca 447, switch-mode power adapter seca 400, backpack seca 409 or carrying case seca 414 (for combination with stadiometer and adapter element), carrying case seca 421, carrying case seca 415



The two push buttons on the front side of the scale can be operated with the foot.



Accessories

seca 409

Backpack for varied use

Those who transport their devices as a mobile nurse or midwife have clear material requirements. The multifunctional backpack seca 409 was therefore developed out of high-quality and water-repellent materials in co-operation with UNICEF. Wide, padded shoulder straps and carrying handles make it comfortable to carry and guarantee a high amount of comfort even on longer trips. Baby scales, flat scales, or measuring boards can therefore be transported easily and especially safe in various possible combinations.

seca added value

> A mobile measuring and weighing system?

There is such a thing – from seca of course. With the addition of the adapter element seca 437 for the measuring rod seca 217, the flat scale seca 878 turns into a mobile and very stable 2-in-1-solution. Measuring and weighing can be done at the same time – with the same quality as permanently installed equipment. When stored in the carrying case seca 414, the mobile measuring and weighing system can be used anywhere.



Possible combination

seca 878, seca 217, seca 437 and seca 414 Mobile measuring and weighing system for schoolchildren and adults

To determine height and weight of school children and adults in a standing position, a special adapter element turns the stadiometer and flat scale into a perfect measuring and weighing station. It delivers two measurements in one step – with the same quality found in hospitals. Even though the elements are lightweight and easily assembled, the system is extremely stable and warp-resistant. Almost like a permanent installation.



seca 877 seca 875

Flat scale for mobile use

Scales intended for mobile use have to be lightweight. These scales are nevertheless very stable and suitable for persons weighing up to 200 kilograms. They stand firmly on four leveling feet that guarantee stability, even when small children are weighed while held by an adult. The mother/child-function (seca 877) ascertains, and displays the weight of the child with just the touch of a button. Accuracy assured with a fine division of 100 g (seca 877).

seca 877

· Capacity: 200 kg

• Graduation: 100 g < 150 kg > 200 g

 Functions: mother/child-function, tap-on automatic switch-on, automatic switch-off

 Optional: stadiometer seca 217 combined with adapter element seca 437, backpack seca 409 or carrying case seca 414 (for combination with stadiometer and adapter element) and seca 415

seca 875

Capacity: 200 kg

• Graduation: 200 g

 Functions: tap-on automatic switch-on, automatic switch-off

 Optional: stadiometer seca 217 combined with adapter element seca 437, backpack seca 409 or carrying case seca 414 (for combination with stadiometer and adapter element), carrying case seca 421, carrying case seca 415



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



Accessories

seca 415

Carrying case

This practical carrying case can be used to safely transport the flat scales seca 878, seca 878 dr, seca 877, seca 875.



seca 878 dr

Doctor's scale with customisable label @

The design and the name speak a common language. The seca 878 dr is the new flat scale standard for doctors in medical practices. Your advantages include the foot-operated on/off switch and the user-friendly dual LCD display that can be read simultaneously by doctor and patient. Weighing children is simplified by activation of the mother/child-function. The specially developed doctor's scale, which is subject to very strict quality requirements in its manufacture, reliably delivers accurate data. With top quality and medical precision combined in a compact, modern design, the seca 878 dr is perfectly aligned to the needs of today's medical practices.

Capacity: 200 kg

• Graduation: 100 g < 150 kg > 200 g

 Functions: mother/child-function, HOLD, automatic switch-off

Battery-operated or using mains adapter

 Optional: carrying case seca 421, carrying case seca 415, customisable label seca 478 at

www.seca.com/doctorscale



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





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 – they still have to fulfill challenging clinical requirements. That's why seca produces such items as non-abrasive measurement scales and parts made of distortion-resistant anodised aluminum. For quality you can feel – in devices that transmit your data at the touch of a button and in headpieces that always glide smoothly into position and so guarantee consistently precise measurements.

EMR ready stadiometer for use anywhere with display on the headpiece

If you are looking for a wireless solution for taking height measurements, you cannot go wrong with the free-standing digital stadiometer seca 274. Its individual parts of high-quality aluminum can be easily assembled and tightly screwed together and its measuring range from 30 cm to 220 cm can be used for small children to adults. Additional benefits include the stable glass platform, the white backlit display on the headpiece and wireless data transmission. Data can be sent to any EMR system or a wireless scale that can calculate the BMI from height and weight measurements.

Measuring range: 30-220 cm

Graduation: 1 mm

Functions: HOLD, user-defined zero setting, automatic switch-off, SEND/PRINT

Optional: USB adapter seca 456

Compatible with all EMR systems and EMR ready seca products.



EMR Integration

The stable glass platform of the seca 274 with integrated heel positioner quarantees precise measurement results and a secure foothold.

added value seca

An EMR ready stadiometer that can send its measurements to a PC? There is such a thing - from seca of course: the digital stadiometer seca 274 (free-standing) and seca 264 (for wall mounting). Both transmit the measured height to the PC, where they are analysed by the PC software seca analytics 115. From there they can also be transmitted to an Electronic Medical Record (EMR) system.



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



The leveling feet allow firm footing, even on uneven

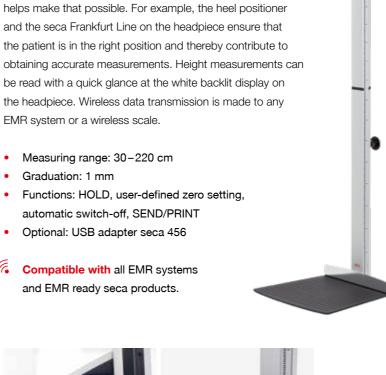
seca 264

EMR ready stadiometer for permanent use, with display on the headpiece

The goal of accomplishing more in fewer steps is as important in medicine as in other fields. The stadiometer seca 264 helps make that possible. For example, the heel positioner and the seca Frankfurt Line on the headpiece ensure that the patient is in the right position and thereby contribute to obtaining accurate measurements. Height measurements can be read with a quick glance at the white backlit display on the headpiece. Wireless data transmission is made to any EMR system or a wireless scale.

- Graduation: 1 mm
- automatic switch-off, SEND/PRINT

Compatible with all EMR systems









The white 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 barefoot patient a safe and comfortable footing.

seca I service

For seca 274 and seca 264:

- On-site installation service
- Remote or on-site EMR integration service
- · Remote or on-site software support

Stable stadiometer for mobile height measurement

The mobile stadiometer seca 217 boasts unmatched stability, a cleverly designed assembly system and particularly high-quality materials. All this lends the stadiometer an exceptionally high degree of stability – almost the same as a permanent installation. In addition, the adjustable spacer ensures a secure hold without any fittings. Suitable for medical practices and hospitals, the stadiometer is also just right for mobile use, such as examinations of children at school or patients at home. When disassembled, the stadiometer is easy to carry anywhere.

- Measuring range: 20–205 cm
- Graduation: 1 mm
- Optional: adapter element seca 437 (for combination with flat scale seca 899, seca 878, seca 877) or seca 875), backpack seca 409, carrying case seca 414, carrying case seca 412





The spacer provides extra stability and ensures precise measurement results.



The robust base plate guarantees a sturdy



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



seca 213

Portable stadiometer

At only 2.4 kg, the seca 213 mobile stadiometer is especially suitable for use in the field but also ideal for doctors' practices and paediatric hospitals. The measuring rod can be dismantled into several pieces and set up easily and quickly. The spacer keeps the rod straight and stable without any fittings. As the scale is printed along the side of the measuring rod, it is easy to read off the result while measuring, thus guaranteeing precise results – up to a height of 205 cm.

- Measuring range: 20–205 cm
- Graduation: 1 mm
- Supplied with carrying case seca 412 for easy transportation



Mechanical telescopic measuring rod with large measuring range

Specially developed for wall mounting, this measuring rod is aligned to work exactly to the millimeter from tip to toe. Its broad measuring slide and heel positioner are professional pre-requisites. The telescopic measuring rod ensures that the result can be easily read at eye level even for the tallest patient. When not in use, the measuring slide can be folded down for safety.

- Measuring range: 6–230 cm
- Graduation: 1 mm
- Optional: head positioner seca 430



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



The foot positioner ensures exact positioning and precise measurements.



The optional wide head positioner seca 430.

Mechanical measuring rod for children and adults

The seca 216 has a variable scale with a range of 3.5 to 230 centimeters that is inserted into a 138 cm frame. The plastic frame is simply mounted on the wall at the desired height. As the user can choose the range shown in the frame, the seca 216 is suitable for measuring children or adults. The results are clearly displayed in a window on the side of the rod and held in place by the locking screw on the head piece. Suitable for international use, the scale is printed in centimeters on one side of the tape and centimeters and inches on the other.

- 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.

The wall mounting of the measuring tape with roll mechanism reduces space requirements drastically.



seca 206

Mechanical measuring tape

The space-saving solution with roll-up mechanism. Uncomplicated fixing on wall with just one screw. With the display window in the head piece, it's easy to read the height. The durable tape is made of metal.

- Measuring range: 0-220 cm
- Graduation: 1 mm



seca added value

A measuring tape with two functions? There is such a thing – from seca of course. The ergonomic measuring tape seca 203 also has a scale that determines the Waist-To-Hip-Ratio (WHR). With a single measuring instrument you can determine body circumference and get diagnostic data about health risks, such as details about the distribution of body fat.

seca 203

Ergonomic circumference measuring tape with extra Waist-To-Hip-Ratio calculator (WHR)

The measuring tape seca 203 for determination of body circumference has a high quality scale of metal used to obtain the Waist-To-Hip-Ratio (WHR). The WHR is an indirect method of determining the amount of abdominal fat tissue. The ratio allows conclusions to be drawn about the distribution of fat stores and thus contributes to a diagnosis.

Measuring range: 0-205 cm

Graduation: 1 mm

• Function: WHR calculator



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seca 201

Ergonomic circumference measuring tape

Today's circumference tapes also have to satisfy high medical demands. That is why seca has developed the seca 201 which can measure girth with millimeter precision. The high-quality mechanics guarantee that the 205 cm long tape unwinds easily and locks in place precisely. The housing sits comfortably and securely in the user's hand and is tough enough to withstand accidental dropping.

- Measuring range: 0-205 cm
- Graduation: 1 mm



MULTIFUNCTIONAL AND WHEELCHAIR SCALES

Effortless for the patient, easy for medical staff.

▶ Weighing can be a complicated process, but it doesn't have to be. The multifunctional and wheelchair scales by seca are easy to use whether the patient is sitting in a wheelchair or standing. Four load cells ensure that a patient can be measured regardless of position – standing without support or holding onto the handrail, in the middle of the scales or at the edge. There is no need for careful positioning of the patient or adjustments to the scales. The emphasis is on convenient operation with wireless data transmission to any EMR system.

EMR ready multifunctional handrail scale (III)

Equipped with an extremely low-level, easy-access platform, a stable handrail, and high weight-bearing capacity, this multifunctional scale ensures safe and comfortable weighing of heavy patients. The integrated handrail provides the patient with support throughout the weighing process – or sat on a chair placed on the generous platform. The Pre-TARE function with three memory cells automatically deducts a stored weight (such as a chair) to determine net weight. Moreover, the seca 645 is made mobile by two rubber wheels and a power supply provided by rechargeable batteries or power adapter. When the scale is connected to a printer, the time of weighing and the patient's weight are automatically recorded and printed by the time module.

- 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, RESET, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456, measuring rod seca 223
- Compatible with all EMR systems and EMR ready seca products.



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 themself on it



seca 223

Telescopic measuring rod for handrail scales

This easy-to-fit measuring rod (fittings included) converts the handrail scale seca 645 into a real all-round talent. The determined height can be entered directly into the control unit of the seca 645 so that all relevant data is captured and used to determine the BMI.

- Measuring range: 6-230 cm
- Graduation: 1 mm



The optional measuring rod permits measuring and weighing in one step.

seca I service

For seca 645 and seca 685:

- On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

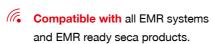


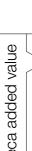
seca 685

EMR ready multifunctional scale @

The patient can be safely and accurately weighed while standing, seated or in a wheelchair. No conversion is required. The stable handrail supports the standing patient, the integrated fold-down seat provides comfort for the seated patient, and the large platform (80 x 84 cm) accommodates a patient in a wheelchair. The weight of the wheelchair or walker is simply deducted with use of the Pre-TARE function. Special attention has been given to making the scales easy to access and safe, with a stop barrier provided for the front wheels of the wheelchair. Additional details: easy-to-read swiveling display can be turned toward patient or caregiver, the practical HOLD function shows the weighing result after the patient has left the platform, the damping function ensures precise results, the non-slip rubber coating and handrail guarantee a firm foothold and integrated transport castors make the scale mobile.

- 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, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456





A fold-out seat with integrated damping system? There is such a thing - from seca of course. Our wireless multifunctional scale seca 685 has a stop barrier for wheelchairs and another detail that adds to overall safety. A spring in the mechanism for the integrated seat keeps the seat securely in place until it is released for use.



Patient can stand or sit when being weighed.

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



MULTIFUNCTIONAL AND WHEELCHAIR SCALES





EMR ready wheelchair scale with handrail and transport castors (III)

Stable, functional and mobile: thanks to its large platform and sturdy handrail, the seca 677 is extremely versatile. Patients can be weighed while sitting in a wheelchair or on a chair. The handrail provides valuable support for people who are frail or can walk only with great difficulty. Its high load capacity makes the seca 677 ideal for weighing very heavy patients. After use the scale can be folded together to save space. The sturdy locking device between rail and platform ensures that the seca 677 stands safely even when folded. The handrail also serves as handle when the scale is folded, allowing the scale to be moved around or stowed away effortlessly and quickly on its transport castors. Weighing is simple and user-friendly with the clearly designed, operable display at hip level, additional functions of TARE, Auto-HOLD, BMI and the SEND/PRINT key to transmit measurements wirelessly to a PC or an EMR system.

- 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, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456
- Compatible with all EMR systems and EMR ready seca products.

seca I service

For seca 677 and seca 665:

- On-site installation service
- · Remote or on-site EMR integration service
- · Remote or on-site software support

value added 1 seca

A handrail for support that doesn't falsify the measurement? There is such a thing - from seca of course. The handrail on our transportable EMR ready wheelchair scale seca 677 gives the patient a feeling of security and, thanks to its special technology, delivers accurate measurements even when the patient leans on or holds onto the handrail.



The scale can be folded for easy transport



seca 665

EMR ready electronic wheelchair scale @

With its high capacity of 300 kg, this scale makes it easy to weigh even heavy patients. Easy access is assured by its extremely low platform. The secure side rails give additional safety. An integrated Pre-TARE function determines in seconds the net weight of the patient by utilising internal weight memory. All the data can be transmitted wirelessly to a PC or an EMR system immediately after weighing. The swiveling LCD with large letters is easy to read both for the patient and for the caregiver. The seca 665 can be folded up in no time and can be transported anywhere, thanks to its roller castors.

- Capacity: 300 kg
- Graduation: 100 g < 200 kg > 200 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456
- Compatible with all EMR systems and EMR ready seca products.



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



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



With its transport castors and steering castor, the seca 657 can be maneuvered easily.



seca 657

EMR ready electronic platform scale with innovative memory function (III)

The especially large platform of the seca 657 makes it possible to weigh patients on all commonly used stretchers. Patients can also be weighed while sitting in wheelchairs or on a chair. A unique characteristic of the seca 657 is the memory function. This practical feature helps to lighten the workload especially in the emergency unit: first the total weight of the patient and stretcher or wheelchair is determined. The stretcher or wheelchair is then weighed separately and the net weight of the patient appears automatically on the display. A cable remote display with easy-to-read LCD figures is included in delivery. This display is operated intuitively and is equipped with many additional functions. With the Pre-TARE function, the extra weight of a stretcher or wheelchair can be deducted directly from the total weight during the weighing process. With the BMI function, the nutritional condition of the patient can be determined. Thanks to its robust design and capacity of 300 kg, the seca 657 can weigh even overweight persons with no problem at all. With the practical castors and integrated handles, the seca 657 is also transportable for use in various locations.

And with seca integration solutions, measurements can be transmitted wirelessly to a PC or an EMR system immediately after weighing.

- · Capacity: 300 kg
- Graduation: 100 g < 200 kg > 200 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452, USB adapter seca 456, stand for cable remote displays seca 472
- Compatible with all EMR systems and EMR ready seca products.



For seca 657 and seca 675:

- On-site installation service
- Remote or on-site EMR integration service
- · Remote or on-site software support



The free-standing display guarantees comfortable read-out of measurements.





A ramp for easy roll-on of wheelchairs is included in delivery.

seca 675

EMR ready electronic platform scale (III)

This electrically-operated, generously-sized wheelchair/ platform scale is multifunctional. It weighs patients in care, especially heavy patients, persons in wheelchairs and seated patients with circulatory trouble, even during dialysis. The flexible cable remote display can be placed anywhere (e.g. on a desk or table) for convenient read-out and operation of the controls. A wall mounting is also provided. Transport castors and a handle make the seca 675 mobile. Measurements can be transmitted wirelessly to a PC or an EMR system immediately after weighing.

- Capacity: 300 kg
- Graduation: 100 g < 200 kg > 200 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, auto weighing range switch-over, damping, automatic switch-off
- Optional: interface module seca 452, stand for cable remote displays seca 472, second ramp seca 470

Compatible with all EMR systems and EMR ready seca products.



Accessories

seca 472

Stand for cable remote displays of seca scales

The seca 472 stand is the stable solution for cable remote displays of the seca 635, seca 657 and seca 675 scales. The sturdy construction with non-slip steel feet can be positioned everywhere quickly and securely. The display element can easily be attached to the stand by means of a stable bracket.



Accessories

seca 470

Second ramp for seca 675

Optional accessory: this ramp for platform scale seca 675 makes it even easier to get onto the scale with a wheelchair from both sides.



Thanks to the ramp, a wheelchair rolls easily and comfortably onto the platform.

CHAIR SCALES

Competency in a 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. And with the scale's wireless function, transmission of data to an EMR system is quick and easy.

seca I service

For seca 959:

- · On-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support



A chair scale that weighs with a graduation of

50 grams? There is such a thing - from seca, of course. The seca 959 is the first and only EMR ready chair scale on the market that weighs with a graduation of 50 grams. The advantage of this fine graduation is particularly important in paediatrics. Now children who cannot stand on their own can be weighed precisely and accurately while seated. Furthermore, medical personnel can detect the slightest weight changes in serial measurements with the seca 959.



EMR ready chair scale to weigh seated patients @

Care and comfort were kept in mind when designing the stable model with a circular steel tube frame. The comfortable seat provides a safe position while the swiveling armrests and adjustable footrests make the chair scale more user-friendly. The locking rear wheels ensure that it is safe to sit down and stand up at all times. The positioning of the large LCD display unit behind the chair permits intuitive operation of functions TARE, HOLD and BMI. This mobile chair scale, which can be operated by a rechargeable battery or electricity, provides enormous help in rehab, orthopaedics, dialysis and nursing homes. Its fine graduation of 50 grams is particularly valuable in paediatrics, allowing small children who cannot yet stand on their own to be weighed while seated. The practical pouch seca 471 attached to the scale frame stores the power adapter.

- Capacity: 300 kg
- Graduation: 50 g < 150 kg > 100 g < 250 kg > 200 g

EMR Integration

- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, auto weighing range switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452*, USB adapter seca 456
- Compatible with all EMR systems and EMR ready seca products.



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 supplied carrying case provides The large footrests can be folded space to store the power supply cable together with the scale.



completely out of the way so that the patient can safely and comfortably take a seat.



seca 955

Digital chair scale with swivelling arm and foot rests (11)

Consideration and comfort – these are particularly prominent aspects of this extremely stable model with its circular steel tube frame. A comfortable seat provides a safe position, the seperately swivelling armrests make it easy to move the patient from the bed onto the chair scale and the fold-away footrests increase ease of operation. The locking rear wheels ensure that it is safe to sit down and stand up at all times. The positioning of the large LCD unit behind the chair makes it easy to read and the many functions (including BMI) leave nothing to be desired. This mobile chair scale, with mains adapter or a rechargeable battery power supply, is an invaluable aid everywhere: in the rehabilitation centre, orthopaedic department, dialysis centre and nursing homes. Small children who are not yet able to stand can also be weighed comfortably while sitting. The practical pouch seca 471 attached to the scale stores the mains adapter.

- Capacity: 250 kg
- Graduation: 50 g < 150 kg > 100 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, damping



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 955 is ideal for use in any situation.



Chair scale for weighing while seated (m)

With a capacity of 200 kg and a graduation of 100 grams, the seca 956 fulfills all basic medical standards. Added to that are the typical seca advantages such as fold-up armrests and footrests, secure wheel brakes, an ergonomically shaped seat and smooth rollers, which, together with the ergonomically shaped handle, make it very easy to push the chair scale. Of course the seca 956 is also equipped with the important TARE function which allows every newly added weight to be ascertained separately and the HOLD function which lets medical personnel take care of the patient first and read out the results later.

The ergonomic handle makes the scale easier

to push.

Capacity: 200 kgGraduation: 100 g

• Functions: TARE, HOLD, automatic switch-off



The seca 956 runs on batteries instead of mains power, and offers a capacity of 200 kg.



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

The armrests can also be folded away to allow patients better access from the side.

BED AND DIALYSIS SCALE

Every gram counts when lying in bed.



▶ Our bed and dialysis scales have been carefully tested in the past by specialists and intensive care consultants in dialysis and burn units. They are now also being used to an increasing extent in nursing homes, since every gram is important in the case of immobile patients, precision is what counts. The bed and dialysis scales from seca with their alarm function can assist critical monitoring in the case of clinical procedures involving the loss of fluid or special fluid turnover, or simply in areas where patients can be weighed only in bed.



seca 985

Electronic bed and dialysis scale with equipment trolley **(III)**

Always in use: the seca 985 facilitates the easy, gentle and precise weighing of bedridden patients and is an indispensable aid in dialysis and intensive care. Integrated lifts enable four load cells to be placed easily and effortlessly under the castors of an empty bed and the scale to be switched on. The weight of the empty bed is stored in the scale until the next time the scale is switched off. The previously determined weight of the bed (must be 250 kg or less) is deducted using the TARE function and the patient's precise weight is determined. In order to obtain the patient's measurements even if the power goes out, the bed scale is also equipped with a rechargeable battery. When not in use, the four bed lifts can be stored on the equipment trolley.



Capacity: 500 kg

• Max. patient weight: 250 kg

Maximum bed weight: 250 kg

Graduation: 100 g < 200 kg > 200 g

Functions: TARE, Pre-TARE,
 HOLD, BMI, limit value, damping

Optional: RS232 interface seca 460



The patented lift mechanism permits placement of the load cells without any effort.

SPECIALISED SCALES

Small size, big help.

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







unapproved

seca 856

Electronic organ, swab and nappy scale with stainless steel cover

The organ scale seca 856 has been designed to meet the specific requirements in its area of application. The raised display is protected from soiling by fluids and the specially sealed battery compartment keeps moisture away from the electronic parts. This scale also fulfills tough hygienic standards with a sealed stainless steel surface that's easy to clean. With the aid of the Pre-TARE function, the additional weight of containers can simply be deducted for precise determination of net weight. The fine one-gram graduation ensures highly precise results.

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

The smooth food-safe surface allows easy cleaning of the bowl.



unapproved

seca 852

Digital portion and diet scale

Operation of these scales with the TARE function is wonderfully simple. It can be repeatedly reset to zero, regardless of how many ingredients are already in the bowl. The scales and bowl are so perfectly matched that the scales simply slip into the bowl for storage.

- Capacity: 3 kg
- Graduation: 1 g
- Functions: TARE, automatic switch-off



SOFTWARE

Analyse and transmit. This solution gives you more out of measuring.



▶ With the software application seca emr flash 101, EMR ready seca products can transmit their results directly to any EMR system. The software is 100% compatible with all the EMR systems currently on the market. The software seca analytics 115 goes a step further by analysing and interpreting the weight and height data and the measurements from the seca mVSA and seca mBCA using 7 analysis modules. This process supports the doctor with early detection of disease, documentation tasks, and therapy success, as well as patient consultation.

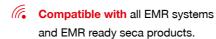
seca analytics 115

Medical PC software for diagnostic assistance

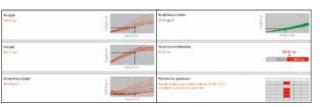
With the network-capable software seca analytics 115, optionally available with three or six workstation licenses, doctors can process measurements from EMR ready products, including seca mVSA and seca mBCA, in seven modules on the PC and thereby significantly improve the quality of the medical examination. Assistance is provided not only by the three integrated modules "Energy", "Cardiometabolic Risk" and "Growth/Development", but also the four additional seca mVSA and seca mBCA modules "Fluid", "Function/ Rehabilitation", "Health risk" and "Raw impedance data". In the total of seven modules, medical inquiries about the patient's general health status and nutritional condition are answered, measurements compared to standard values and findings displayed in a therapy planner. The entire analysis can be printed on a conventional printer specially configured by the user. This type of diagnostic assistance adds a completely new dimension to medical advice and gives doctors' offices and hospitals a distinct competitive advantage.

System requirements:

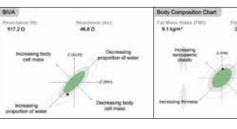
- Supported operating systems: Windows® 10,
 Windows® 8.1, Windows® 8, Windows® Server 2012
 R2, Windows® Server 2012, Windows® 7 (SP1),
 Windows® Vista (SP1, SP2), Windows® Server 2008
 R2 and Windows® Server 2008
- Processor: 1.2 GHz or higher
- Hard Disk Space: minimum 1 GB
- Memory: minimum 512 MB RAM
- Additional HW: DVD drive
- Ports: for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232)
- Display: 1,024 x 768, High Colour (16-bit),
 32-bit (recommended)



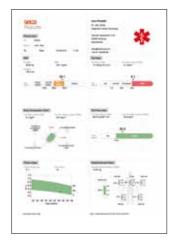
One single location license free with every seca mBCA 515, seca mBCA 525 and seca mVSA 535 with BIA.



For an exact assessment of health status and nutritional condition of children, height, weight and BMI are compared to percentiles. BMI, waist circumference and other laboratory data are used to assess the risk of coronary heart



The proportion of fluid in the total body weight is important for prevention, diagnosis and therapy, e.g. for heart failure or kidney disease. The composition and assessment of the body mass are important for the diagnosis and treatment of weightrelated illnesses



All examination results for each patient can be complied into a PDF of one or more pages. The findings can be ideally prepared for a personal consultation.



For seca analytics 115:

- · Remote or on-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support



seca emr flash 101

Software to connect EMR ready products with EMR systems

Simple and efficient – medical science can take a giant step forward. The intuitive software seca emr flash 101, which transmits measurements directly to an EMR system, is now available as a download at www.seca.com. In just seconds the measurements from EMR ready seca height measuring systems and scales are assigned to the right patient ID.

System requirements:

- Supported operating systems: Windows® 10,
 Windows® 8.1, Windows® 8, Windows® 7 (SP1)
 and Windows® Vista (SP1, SP2)
- Ports: for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232)
- Compatible with all EMR systems and EMR ready seca products.



seca | service

For seca emr flash 101:

- Remote or on-site installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca added valu

Is there a software program that can communicate with all EMR systems? Of course – from seca. No other manufacturer of measuring systems and scales offers direct wireless data transmission to an EMR system. But with the software application seca emr flash 101, you can transmit your measurements from EMR ready seca products directly into an EMR system. The technological standard of the EMR system doesn't matter at all.



Accessories



Accessories

seca 456

USB adapter for data reception on PC

The USB adapter seca 456 enables any PC to receive wireless data from seca measuring systems and scales. This eliminates annoying cable connections in the examination rooms and, with the PC software seca analytics 115, allows measurements to be stored in the seca database or fed into an EMR system, and provides other parameters in a PDF file. The labour-intensive process of documenting examination findings is turned into a speedy and paperless matter.

System requirements:

- Software: seca emr flash 101 or seca analytics 115
- Version: seca 456 wa for wireless data transmission to the Welch Allyn Connex® Vital Signs Monitor (CVSM), Spot Monitor (CSM) or Integrated Wall System

Compatible with all EMR systems and EMR ready seca products.

seca 452

Interface module to transmit measurements to EMR systems*

With only a small expenditure, seca scales and measuring stations can be refitted with the interface module seca 452 to make them fully EMR ready via seca software. The module, fastened to the product in an easily assembled holder, is configured centrally via the server. LEDs show when the device is ready for use, give the user feedback on the scanned patient barcode and confirm that the measurements have been transmitted into the EMR system.

System requirements:

- Installed seca integration solution
- Compatible with all EMR systems and EMR ready seca products.



The wireless reception of measurements on the PC is the decisive step toward Electronic Medical Records.



A standard bar code scanner can be connected via a USB port for use of the user and patient identification function.

BABY SCALES

















| seca 757 | |
|-------------------|-----|
| EMR ready baby | |
| scale with optimi | sed |
| damping system | |

57 seca 376 baby EMR ready baby scale optimised with shell-shaped tray and raised LCD.

a 376 seca 336i EMR ready baby scale hell-shaped tray with Wi-Fi function.

seca 336 Electronic baby scale with practical handle for mobile medical use.

seca 385 Multi-purpose, electronic baby and infant scale with detachable tray for weighing in a reclining or standing position.

seca 384 Multi-purpose, electronic baby and infant scale with detachable tray for weighing in a reclining or standing position.

seca 745 Mechanical baby scale with sliding weights.

| | Page 13 | Page 14 | Page 16 | Page 17 | Page 18 | Page 18 | Page 19 |
|--------------------------------------|--|-----------------------------------|-----------------------------------|--------------------------------------|---|---|--------------------|
| TECHNICAL DATA | | | | | | | |
| Capacity | 15 kg | 20 kg | 20 kg | 20 kg | 50 kg | 20 kg | 16 kg |
| Graduation | 2 g < 5 kg > 5 g | 5 g < 7.5 kg > 10 g | 5 g < 10 kg > 10 g | 5 g < 10 kg > 10 g | 20 g < 20 kg > 50 g | 10 g < 10 kg > 20 g | 10 g |
| Dimensions (WxHxD) | 551 x 151 x 320 mm | 620 x 190 x 358 mm | 650 x 110 x 308 mm | 650 x 110 x 308 mm | 552 x 164 x 364 mm | 552 x 164 x 364 mm | 550 x 180 x 290 mm |
| Dimensions/ tray (WxHxD) | 540 x 110 x 250 mm | 615 x 130 x 275 mm | 645 x 40 x 290 mm | 645 x 40 x 290 mm | 525 x 87 x 250 mm | 525 x 87 x 250 mm | 550 x 110 x 270 mm |
| Dimensions/platform (WxHxD) | | | | | 280 x 77 x 235 mm | 280 x 77 x 235 mm | |
| Weight | 7.1 kg | 3.7 kg | 3.7 kg | 3.7 kg | 2.8 kg | 2.8 kg | 6.4 kg |
| Power supply | Mains adapter, rechargeable batteries | Batteries, mains adapter optional | Mains adapter, batteries | Batteries, mains adapter optional | Batteries | Batteries | |
| Approval class | (11) | | (11) | | | (11) | |
| 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 | • | • | • | • | • | • | |
| SEND/Auto-SEND | • | • | configurable via seca software | | | | |
| Confirm button | | | • | · | | | |
| Wi-Fi | | | • | | | | |
| OPTIONAL | | | | | | | |
| Interface | seca 452, seca 456 | seca 456 | | | | | |
| Mobile carts | 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/ measuring board | | seca 233 | seca 234, seca 232 n | seca 234, seca 232 n | seca 417 | seca 417 | |
| Head/foot positioner | | seca 418 | | | | | |
| Power adapter | | seca 400 | | seca 401, seca 400 | | | |
| Carrying case/backpack | | | seca 428 | seca 428 | seca 409, seca 431, seca 413, seca 414 | seca 409, seca 431, seca 413, seca 414 | |
| AREAS OF APPLICATION | N | | | | | | |
| Mobile weighing | | | • | • | • | • | |
| EMR READY | | | | | | | |

84 | 85

ACCESSORIES FOR BABY SCALES











seca 403 Cart for mobile support for baby scales seca 757, seca 376, seca 336i, seca 336, seca 385 and seca 384.



seca 402 seca 233 Cart for mobile support Measuring rod for baby with customised indentations with customised indentations scale seca 376. for baby scales seca 757, seca 376, seca 336i, seca 336, seca 385 and seca 384.



seca 234 seca 232 n Digital measuring rod for Analogue measuring rod baby scales seca 336i for baby scales seca 336 i and seca 336. and seca 336.



seca 418 Head and foot positioner for baby scale seca 376, if no measuring rod seca 233 is mounted.

| | Page 13 | Page 13 | Page 13 | Page 15 | Page 16 | Page 16 | Page 15 |
|--------------------------------|------------------|--------------------|--------------------|--------------------|-----------------------------------|-------------------|-------------------|
| TECHNICAL DATA | | | | | | | |
| Maximum load | | 45 kg | 45 kg | | | | |
| Measuring range | | | | 35-80 cm | 35-80 cm | 35-80 cm | |
| Graduation | | | | 1 mm | 1 mm | 1 mm | |
| Graduation/ digital display | | | | | 1 mm/5 mm/10 mm (configurable) | | |
| Dimensions (WxHxD) | 95 x 113 x 35 mm | 715 x 800 x 435 mm | 715 x 800 x 435 mm | 641 x 179 x 296 mm | 877 x 92 x 297 mm | 877 x 92 x 266 mm | 205 x 148 x 69 mm |
| Cable length | | | | | | | |
| Weight | 180 g | 27.5 kg | 11.5 kg | 700 g | 1.3 kg | 1.2 kg | 400 g |
| OPTIONAL | | | | | | | |
| Paper roll holder | | | seca 408 | | | | |

ACCESSORIES FOR BABY SCALES







seca 400 Switch-mode power adapter for baby scales seca 376.



seca 401 Power adapter for baby scale seca 336.



seca 428 Stable and roomy carrying case for baby scales seca 336 i and



seca 409 Backpack to transport baby scales seca 385 or seca 384 together with the measuring board seca seca 210.



seca 414 Case with handle and shoulder strap for electronic baby scales seca 385 or seca 384 in combination with seca 417 or seca 210.



seca 431 Backpack to transport baby scales seca 385 and seca 384 safely and comfortably.



seca 413 Carrying case for baby scales seca 385 and seca 384.

86 | 87

seca 336. 417 or the measuring mat Page 14 Page 17 Page 14 Page 17 Page 18 Page 18 Page 19 Page 19 TECHNICAL DATA Dimensions (WxHxD) 42 x 35 x 73 mm 80 x 80 x 100 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 50 x 40 x 75 mm 630 x 330 x 110 mm 1.85 m Cable length 1.90 m 2.00 m 1.6 kg 2.8 kg 800 g 900 g Weight 310 g 155 g 1.2 kg 100 g

PAEDIATRIC MEASURING SYSTEMS















seca 416 Infantometer with raised sides and footpiece

seca 417 Light and stable measuring board for mounted on two rails. mobile use.

seca 210 and infants.

Measuring mat for babies

seca 212 seca 207 Measuring rod with extra-wide measuring slides. Reusable head circumference measuring tape Wall mounting possible. for babies and infants, made of non-stretch material. For measuring

seca 218 Disposable measuring tape in practical wall dispenser.

seca 211 Disposable measuring tape for head circumference in practical wall dispenser.

Page 21

Page 22

Page 24

10-99 cm

5 mm

1,250 x 140 x 300 mm

120 x 140 x 300 mm

head circumference and symmetry. Page 25

3-59 cm

25 x 0,2 x 663 mm

140 x 145 x 30 mm

15 pieces

•

Page 26

0-100 cm

20 x 0,2 x 1,200 mm

50 x 73 x 36 mm

4 g

Page 27

TECHNICAL DATA Measuring range Graduation Dimensions (WxHxD) Dimensions box (WxHxD)

1,103 x 169 x 402 mm 3.8 kg 1.6 kg 575 g 810 g 100 g (box)

Dimensions when folded (WxHxD) Weight Quantity in dispenser

OPTIONAL

seca 409, seca 414, seca 412 Carrying case/backpack

33-100 cm

AREAS OF APPLICATION

Can be mounted Mobile measuring

10-100 cm

1,110 x 115 x 333 mm

577 x 115 x 333 mm

seca 409, seca 414

Page 25

7-99 cm

1,042 x 120 x 288 mm

1,042 x 120 x 35 mm

ACCESSORIES FOR PAEDIATRIC MEASURING SYSTEMS











seca 414 Case for the measuring instruments seca 417 or measuring mat seca 210 together with baby scales seca 385 or seca 384.

seca 412

Case for infantometer seca 417.

Page 22

seca 409

Backpack to transport

baby scales seca 385

or seca 384 together

measuring mat seca 210.

with the measuring board seca 417 or the

Page 22

Page 23

TECHNICAL DATA Dimensions (WxHxD)

370 x 630 x 140 mm

625 x 350 x 210 mm

686 x 427 x 56 mm 1.6 kg 2.8 kg 650 g

12-59 cm 1 mm 25 x 0,2 x 701.5 mm 50 x 73 x 36 mm 2 g 500 (incl. dispenser)/ 1,000 pieces

88 | 89 Technical data

MEDICAL BODY COMPOSITION ANALYZERS







seca mBCA 515 Medical Body Composition Analyzer for determining body composition while standing. seca mBCA 525

Medical Body Composition Analyzer for determining body composition while lying down.

| | Page 30 | Page 31 |
|-------------------------|--|--|
| GENERAL | | |
| Dimensions (WxHxD) | 976 x 1,251 x 828 mm | 252 x 262 x 230 mm |
| Capacity | 300 kg | |
| Graduation | 50 g < 150 kg > 100 g | |
| Weight | 36 kg | 3 kg |
| Display | 8.4" touchscreen display, can be rotated 360° | 7" touchscreen display |
| Power supply | power adapter | power adapter, rechargeable battery |
| Approval class | (11) | |
| Medical Device Class | lla | lla |
| Interfaces | USB 2.0, Ethernet, seca 360° wireless technology | Wi-Fi, Ethernet, USB 2.0, seca 360° wireless technology |
| Compatible printers | laser printer and inkjet printer via PC software seca analytics 115 | laser printer and inkjet printer via PC software seca analytics 115 |
| BIOELECTRICAL IMPEDA | ANCE ANALYSIS | |
| Measurement method | 8-point Bioelectrical Impedance Analysis | 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; 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 |
| Measurement current | 100 μA | 100 μA |
| Measurement time | 17 seconds | 30 seconds |
| TECHNICAL DATA FOR S | SCALE | |
| Capacity | Weighing range 1 = 150 kg Weighing range 2 = 300 kg | |
| Fine graduation | Weighing range 1 = 50 g Weighing range 2 = 100 g | |
| ACCESSORIES | | |
| | PC software seca analytics 115 (with one workstation license included), compatible with EMR ready seca measuring systems | PC software seca analytics 115 (with one workstation license included), compatible with EMR ready seca measuring systems |
| EMR READY | | |

ACCESSORIES FOR MEDICAL BODY COMPOSITION ANALYZERS





seca mVSA 526

Smart Bucket for the

seca mBCA 525.











seca 4900017 seca 475 Rolling stand with basket for Support for rolling stand the mobile use of the seca seca 475. mBCA 525.

seca 432 Carrying case for seca mBCA 525.

| | Page 35 | Page 31 | | Page 34 |
|------------------------------|---|---|--------------------|--------------------|
| TECHNICAL DATA | | | | |
| Dimensions (WxHxD) | 248 x 162 x 187 mm | 600 x 600 mm (WxD), Height adjustable from 695-1,185 mm | 113 x 108 x 164 mm | 410 x 310 x 295 mm |
| Weight | 1.2 kg | 10.5 kg | 370 g | 950 g |
| Measurement methods and data | See the blood pressure, SpO ₂ , and temperature measurement information for the seca mVSA 535 | | | |

MEDICAL VITAL SIGNS ANALYZER





SOFTWARE



seca mVSA 535

Spot-check-monitor for customised configuration.

seca analytics 115
Medical PC software for diagnostic assistance.

| | Page 34 | | | | Page 81 | |
|--|--|--|-------------------------------------|--|---|--|
| GENERAL | | | | | | |
| Dimensions (WxHxD) | 252 x 26 | 32 x 278 mm | | | | |
| Weight | In-ear thermom | eter version ca. 3 kg | | Dimensions (WxHxD) | 137 x 192 x 7 mm | |
| Display type | 7" touchs | creen display | | Weight | 78 q | |
| Power supply | Built-in power adapter, interna | al rechargeable lithium-ion battery | | Troigin | .09 | |
| Medical device class | | lla | | SYSTEM REQUIREMEN | NTS | |
| Interfaces | Wi-Fi, Ethernet, USB 2.0, se | eca 360° wireless technology | | | | |
| Compatible printers BIOELECTRICAL IMPED | Conventional laser and ink jet printers OANCE ANALYSIS | | Command an archine | Windows® 10, Windows® 8.1, Windows® 8, Windows® Server 2012 R2, | | |
| Measurement method | 8-point Bioelectric | al Impedance Analysis | | Supported operating systems | Windows® Server 2012, Windows® 7 (SP1). | |
| Measurement frequencies | 1; 2; 5; 10; 50; | | 3,111111 | Windows® Vista | | |
| Measurement segments | right arm, left arm, right leg, left leg, ri | | | (SP1, SP2), Windows® Server 2008 R2 and | | |
| Measurement current | 1 | | | Windows® Server 2008 | | |
| Measurements | Impedance (Z), Resistance (R) | , Reactance (Xc), Phase angle (φ) | | Processor | 1.2 GHz or higher | |
| Measurement time | 30 s | econds | | Hard Disk Space | minimum 1 GB | |
| BLOOD PRESSURE ME | ASUREMENT | | | Memory | minimum 512 MB RAM | |
| Measuring procedure | oscillometric, deflation | or inflation measurement | | Additional HW | DVD drive | |
| Measurement range | pSYS: 25-280 mmHg; pDIA: 10-2 Adjustable pressure for deflation | | Ports | for usage in combination with seca medical devices | | |
| | Measurement accuracy of deflation measurement: Mean deviation systole 0.39 mmHq | Measurement accuracy of inflation me Mean deviation systole | asurement:).94 mmHa | . 5.15 | USB port (2.0) or serial interface (RS232) | |
| Measurement accuracy | Standard deviation systole Mean deviation diastole Standard deviation diastole 2.57 mmHg 0.43 mmHg 1.73 mmHg | Standard deviation systole Standard deviation diastole Standard deviation diastole | 3.84 mmHg).57 mmHg 3.17 mmHg | Display | 1,024 x 768, High Colour (16-bit), 32-bit (recommended) | |
| Measurement certainty | Excess pressure limit 300 mmHg; aut | | EMR READY | | | |
| Measurement time | Normal: 15-20 sec. / | | - | • | | |
| Pulse rate | Range 30-240 BPN | | | = | | |

| SPO ₂ | | |
|---|--|---|
| | Masimo | seca |
| Measurement method | Pulse oximetry | Pulse oximetry |
| Measurement range (SpO ₂) | 0.0 % – 100.0 % | 0.0 % – 100.0 % |
| Measurement precision (SpO ₂) | SpO_2 - resting = $< 2 \%$ SpO_2 - in motion = $< 3 \%$ | SpO_2 – resting (60 % –100 %) ± 2 Arms; SpO_2 – in motion (70 % –100 %) ± 3 Arms |
| Measurement range (PR) | Pulse rate PR 25 bpm to 240 bpm; Perfusion index measurement range 0.02 % -20 % | Pulse rate PR (Standard) 30 bpm to 240 bpm; Pulse rate PR (Enhanced) 20 bpm to 300 bpm |
| Measurement accuracy (PR) | PR – resting = < 3 bpm; PR – in motion = < 5 bpm | PR – resting <u>∠</u> 2 bpm; PR – in motion n/a |

TEMPERATURE MEASUREMENT

| | Filac 3000® | Genius® 2 | | | | |
|--|--|---|--|--|--|--|
| Measurement methods | axillary/oral, rectal (direct, predictive) | in ear (direct) | | | | |
| Measurement range | direct 30 °C-43 °C predictive 35.5 °C-42 °C | 33-42 °C | | | | |
| Measurement accuracy | direct \pm 0.1 °C; predictive \pm 0.1 °C | - Ambient temperature: 25 °C Target temperature: 36.7 °C $-$ 38.9 °C \pm 0.1 °C + Ambient temperature: 16 °C $-$ 33 °C Target temperature: 33 °C $-$ 42 °C \pm 0.2 °C | | | | |
| Response time | direct 60-120 sec.; predictive (oral) 3-10 sec.; predictive (axillary/rectal) 8-14 sec.; | < 2 sec. | | | | |
| Probe covers | 490 0015 | 490 0016 | | | | |
| ACCESSORIES | | | | | | |
| With BIA: PC software seca analytics 115 (with one workstation license included), compatible with EMR ready seca measuring systems | | | | | | |
| EMR READY | | | | | | |

Technical data 90 | 91



€Masimo SET.



























 $\label{eq:Reusable finger clip for measuring SpO2 in adults.} Reusable finger clip for measuring SpO2 in adults.$

Reusable finger clip (soft) for measuring SpO₂ in adults.

Reusable finger clip (soft) for measuring SpO₂ in children.

seca mBCA 531 Measuring mat for Bioelectrical Impedance Analysis for the seca mVSA 535.

In-ear thermometer** for the optional expansion of the seca mVSA 535.

Reusable seca sphygmo- Extension cord for manometer cuffs available in various sizes (S-XL).

sphygmomanometer

Extension cord for Masimo SpO₂ sensors.* Extension cord for seca SpO₂ sensors.

seca 4750535 Rolling stand for mobile use of the seca mVSA 535.

seca 432 Carrying case for seca mVSA 535.

| | Page 35 | Page 35 | Page 35 | Page 35 | Page 35 | Page 35 | Page 35 | | Page 35 | Page 35 | Page 35 | Page 34 |
|------------------------------------|--------------------------------------|-----------------|---------------------|---------------------|--|------------------|---|--------------|----------|--------------|---|--------------------|
| TECHNICAL DATA | | | | | | | | | | | | |
| Dimensions (WxHxD) | | | | | 780 x 20 x 170 mm | | | | | | 600 x 600 mm (WxD), Height adjustable from 695-1,185 mm | 410 x 310 x 295 mm |
| Sizes | | | | | | | S: 17–26 cm M: 24–32 cm L: 32–42 cm XL: 38–46 cm | 1,300 mm | 1,500 mm | 1,200 mm | | |
| Application | > 30 kg | Adults | Adults | Children | | | | | | | | |
| SpO ₂ measurement range | | 0.0 % - 100.0 % | 0.0 % - 100.0 % | 0.0 % - 100.0 % | | | | | | | | |
| SpO ₂ accuracy | ± 2 % resting ± 3 % in motion | | ≥ 2 Arms (60-100 %) | ≥ 2 Arms (60-100 %) | | | | | | | | |
| PR accuracy | ± 3 bpm resting ± 5 bpm in motion | | | | | | | | | | | |
| Measuring range | | | | | | 33-42 °C | | | | | | |
| Probe covers | | | | | | 490 0016 | | | | | | |
| Weight | < 0.5 kg | | | | 1 kg | < 0.5 kg | depending on size | < 0.5 kg | < 0.5 kg | < 0.5 kg | 10.5 kg | 950 g |
| Measurement methods and data | | | | | See the Bioelectrical Impe- dance Analysis information for the seca mVSA 535 | | | | | | | |
| ARTNR. | | | | | | | | | | | | |
| | * | 490 0006 001 | 490 0007 001 | 490 0008 001 | 531 2000 001 | A68 900 0048 009 | 490 0001 001 (S) 490 0002 001 (M) 490 0003 001 (L) 490 0004 001 (XL) | 490 0005 001 | | 490 0012 001 | 475 0535 009 | 432 0000 009 |

^{*}Only available in combination with seca mVSA 535 / 526.

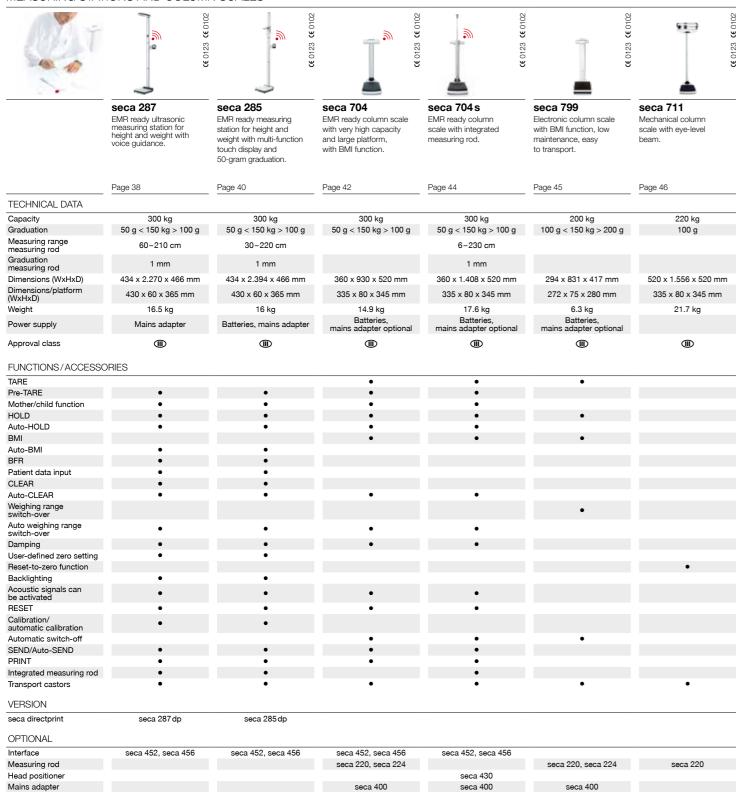


Technical data 92 | 93

^{**} In-ear thermometer may be used only on the Smart Bucket variant intended for that purpose.

MEASURING STATIONS AND COLUMN SCALES

EMR READY



94 | 95

FLAT SCALES

















| seca 635 |
|----------------------------|
| EMR ready scale for heavy |
| persons with large step on |
| surface, cable-link remote |
| control and high load- |
| bearing capacity. |

seca 899
Robust flat scale with cabled remote display, BMI, HOLD and TARE for mobile use.

seca 878
Electronic flat scale for mobile use with push buttons and double display.

seca 877

Robust, very light flat scale with integrated display, tap-on automatic switch-on and mother/child function for mobile use.

seca 875

Robust, very light flat scale with integrated display, Tap-on automatic switch on for mobile use.

seca 878 dr Doctor's scale with customisable label.

| | Page 50 | Page 51 | Page 52 | Page 54 | Page 54 | Page 55 |
|---------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|------------------------|-------------------|--------------------------------------|
| TECHNICAL DATA | | | | | | |
| Capacity | 300 kg | 200 kg | 200 kg | 200 kg | 200 kg | 200 kg |
| Graduation | 100 g < 200 kg > 200 g | 100 g < 150 kg > 200 g | 100 g < 150 kg > 200 g | 100 g < 150 kg > 200 g | 200 g | 100 g < 150 kg > 200 g |
| Dimensions (WxHxD) | 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 356 mm | 321 x 60 x 361 mm |
| Dimensions/platform (WxHxD) | 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 280mm | 288 x 60 x 280 mm |
| Cable length | 2.5 m | 2 m | | | | |
| Weight | 14.4 kg | 4.5 kg | 4.1 kg | 4.2 kg | 4 kg | 4.1 kg |
| Power supply | Batteries, mains adapter optional | Batteries, mains adapter optional | Batteries, mains adapter optional | Batteries | Batteries | Batteries, mains adapter optional |
| Approval class | (III) | (III) | (11) | (III) | | (III) |
| FUNCTIONS | | | | | | |
| TARE | • | • | | | | |
| Pre-TARE | • | | | | | |
| Mother/child function | | | • | • | | • |
| HOLD | • | • | • | | | • |
| Auto-HOLD | • | | | | | |
| BMI | • | • | | | | |
| Auto-CLEAR | • | | | | | |
| Auto weighing range switch-over | • | | | | | |
| Reset-to-zero function | | | | | | |
| Damping | • | | | | | |
| RESET | • | | | | | |
| Automatic switch-off | • | • | • | • | | • |
| SEND/Auto-SEND | • | | | | | |
| PRINT | • | | | | seca 437 | |
| Tap-on automatic switch-on | | | | • | • | |

OPTIONAL

| OI HONAL | | | | | | |
|--------------------------------|--------------------|----------|--------------------|--------------------|--------------------|----------|
| Interface | seca 452, seca 456 | | | | | |
| Measuring rod | | seca 217 | seca 217 | seca 217 | seca 217 | |
| Stand for cable remote display | seca 472 | | | | | |
| Adapter element | | seca 437 | seca 437 | seca 437 | seca 437 | |
| PC interface cable | seca 400 | seca 400 | seca 400 | | | seca 400 |
| Carrying case | | seca 421 | seca 421, seca 415 | seca 421, seca 415 | seca 421, seca 415 | |
| Individualisable label | | | | | | seca 478 |

AREAS OF APPLICATION

Mobile weighing

EMR READY









seca 224 Telescopic measuring rod for seca column scales.



seca 220 Telescopic measuring rod for seca column scales.



seca 472 Stand for display elements of seca scales with cable remote displays.



seca 437 Adapter element for the flat scales seca 899, seca 878, seca 877 and seca 875 for combination with seca 217.



seca 400 Switch-mode power adapter for column and flat scales seca 704, seca 704s, seca 799, seca 635, seca 899 and seca 878 dr.



seca 409 seca 414 seca 409
Backpack to transport the flat scales seca 899, seca 878, seca 877 and seca 875 together with the stadiometer seca 217 and the adapter element seca 437. Case for flat scales case for flat scales seca 899, seca 878, seca 877 and seca 875 together with stadiometer seca 217 and adapter element seca 437.



seca 421 Stable and roomy carrying case for the flat scale seca 899, seca 878, seca 878 dr, seca 877



seca 415 Carrying case for the flat scales seca 878, seca 878 dr, seca 877, seca 875.



Customisable label for doctor scale 878 dr.

| Page 39 | Page 45 | Page 47 | Page 51 | Page 51 | Page 43 | Page 52 | Page 51 | Page 51 | Page 54 | Page 55 |
|------------------|---------------------|---|--|---|---|---|--|---|--|--|
| | | | | | | | | | | |
| | 60-200 cm | max. 200 cm | | | | | | | | |
| | 1 mm | 1 mm | | | | | | | | |
| 95 x 113 x 35 mm | 57 x 2,020 x 286 mm | 57 x 1,480 x 286 mm | 460 x 1,035 x 460 mm | 333 x 86 x 310 mm | 42 x 35 x 73 mm | 370 x 630 x 140 mm | 625 x 350 x 210 mm | 430 x 350 x 130 mm | 330 x 380 x 70 mm | 257 x 32 x 2 mm |
| | | | | | 1.85 m | | | | | |
| 180 g | 1.4 kg | 700 g | 7.8 kg | 600 g | 155 g | 1.6 kg | 2.8 kg | 810 g | 800 g | 2 g |
| | | | | | | | | | | |
| | 95 x 113 x 35 mm | 60–200 cm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm | 60–200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm | 60–200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm | 60-200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm | 60–200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm 42 x 35 x 73 mm 1.85 m | 60–200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm 42 x 35 x 73 mm 370 x 630 x 140 mm 1.85 m | 60-200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm 42 x 35 x 73 mm 370 x 630 x 140 mm 625 x 350 x 210 mm 1.85 m | 60-200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm 42 x 35 x 73 mm 370 x 630 x 140 mm 625 x 350 x 210 mm 430 x 350 x 130 mm 1.85 m | 60-200 cm max. 200 cm 1 mm 1 mm 95 x 113 x 35 mm 57 x 2,020 x 286 mm 57 x 1,480 x 286 mm 460 x 1,035 x 460 mm 333 x 86 x 310 mm 42 x 35 x 73 mm 370 x 630 x 140 mm 625 x 350 x 210 mm 430 x 350 x 130 mm 330 x 380 x 70 mm 1.85 m |





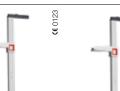
HEIGHT MEASURING SYSTEMS













Page 61

6-230 cm

308 x 2,320 x 286 mm









seca 274 FMR ready stadiometer. free standing with seca Frankfurt Line and heel positioner for precise measurements.

30-220 cm

434 x 2,394 x 466 mm

Page 58

seca 264 FMR ready stadiometer for wall mounting with easy-to-clean floor mat.

30-220 cm

428 x 2,318 x 474 mm

Page 59

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

20-205 cm

328 x 2,145 x 574 mm

Page 60

seca 213 Stand-alone stadiometer for height measurement. Complete with seca 412 carry case for convenient transport. Recommended by the Child Growth Foundation. Page 61

20-205 cm

1 mm

337 x 2,165 x 590 mm

seca 222 seca 216 Telescopic measuring rod Mechanical stadiometer. for the wall with extra wide Head piece with locking measuring slides and screw for accuracy. heel stop.

Page 62

max. 138 cm selectable from 3.5-230 cm

120 x 1,500 x 217 mm

seca 206 Roll-up measuring tape with wall attachment.

0-220 cm

1 mm

125 x 125 x 173 mm

Page 62

seca 203 Fragnomic, smoothly extractable circumference measuring tape with WHR calculator to determine body fat distribution.

0-205 cm

1 mm

70 x 28 x 66 mm

Page 63

seca 201

Fragnomic, smoothly extractable measuring tape for determining body circumference.

0-205 cm

1 mm

70 x 22 x 65 mm

Page 63

TECHNICAL DATA Measuring range

Graduation Dimensions (WxHxD) Dimensions/platform (WxHxD) Dimensions when folded (WxHxD) Weight

Power supply

FUNCTIONS HOLD WHR calculator User-defined zero setting

Backlighting Acoustic signals can be activated RESET Calibration/ automatic calibration Automatic switch-off SEND/Auto-SEND PRINT

Transport castors VERSION

Intergrated level in headpiece

OPTIONAL Interface

Head positioner Adapter element Carrying case

AREAS OF APPLICATION Can be mounted Mobile measuring EMR READY

| 430 x 60 x 365 mm | 430 x 3 x 370 mm | | | | | | | |
|-------------------|------------------|--------|--------------------|----------------------|--------|-------|------|------|
| | | | 337 x 177 x 624 mm | 308 x 1.320 x 286 mm | | | | |
| 15 kg | 5 kg | 3.6 kg | 2.4 kg | 1.1 kg | 1.7 kg | 200 g | 70 g | 50 g |
| Batteries | Batteries | | | | | | | |
| • | • | | | | | | • | |
| • | • | | | | | | | |
| • | • | | | | | | | |
| • | • | | | | | | | |
| • | • | | | | | | | |
| • | • | | | | | | | |
| • | • | | | | | | | |
| | | | | | | | | |

| | | | seca 430 | | |
|--|---------------------------------|----------|----------|--|--|
| | seca 437 | | | | |
| | seca 409, seca 414, seca 412 | seca 412 | | | |
| | | | | | |

seca 456

ACCESSORIES FOR HEIGHT MEASURING SYSTEMS



TECHNICAL DATA Dimensions (WxHxD) Weight







seca 456

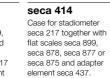














| _ | Page 60 | Page 60 | Page 60 | Page 60 |
|---|-------------------|--------------------|--------------------|-------------------|
| | 333 x 86 x 310 mm | 370 x 630 x 140 mm | 625 x 350 x 210 mm | 686 x 427 x 56 mm |
| | 600 g | 1.6 kg | 2.8 kg | 650 g |



100 | 101

MULTIFUNCTIONAL AND WHEELCHAIR SCALES























CHAIR SCALES









seca 985

BED AND DIALYSIS SCALE

Electronic bed and dialysis scale with integrated mechanical lifters and equipment trolley.

seca 460

| | Page 76 |
|---|-------------------------------------|
| TECHNICAL DATA | |
| Capacity | 500 kg |
| Max. patient weight | 250 kg |
| Graduation | 100 g < 200 kg > 200 |
| Dimensions/cart (WxHxD) | 520 x 927 x 562 mr |
| Dimensions/load cells (WxHxD) | 328 x 150 x 212 mr |
| Weight | 25.6 kg (load cells) |
| Power supply | Mains adapter, rechargeable batteri |
| | rechargeable batteri |
| Approval class | rechargeable batteri |
| FUNCTIONS/ACCESSOR | (III) |
| FUNCTIONS/ACCESSOF TARE/Pre-TARE | (III) |
| FUNCTIONS/ACCESSOF TARE/Pre-TARE HOLD | (III) |
| FUNCTIONS/ACCESSOF TARE/Pre-TARE | (III) |
| FUNCTIONS/ACCESSOF TARE/Pre-TARE HOLD BMI | (III) |
| FUNCTIONS/ACCESSOF TARE/Pre-TARE HOLD BMI Lower limit value | (III) |

OPTIONAL RS232 interface

seca 959 seca 955 seca 956 Digital chair scale with Electronic chair scale Wireless chair scale with fine graduation, swiveling swivelling arm and with fold up armrests armrests, adjustable foot-rests and BMI function. footrests. and footrests. Page 75 Page 72 Page 74 TECHNICAL DATA Capacity 300 kg 250 kg 200 kg 50 g < 150 kg > 100 g 100 g < 250 kg > 200 g Graduation 50 g < 150 kg > 100 g100 g 563 x 897 x 956 mm 563 x 897 x 956 mm Dimensions (WxHxD) 563 x 897 x 978 mm 24.5 kg 24.5 kg 22.4 kg Mains adapter, rechargeable batteries Mains adapter, batteries Power supply Batteries ◍ ◍

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

| EMR READY | | |
|-----------|---|--|
| | • | |

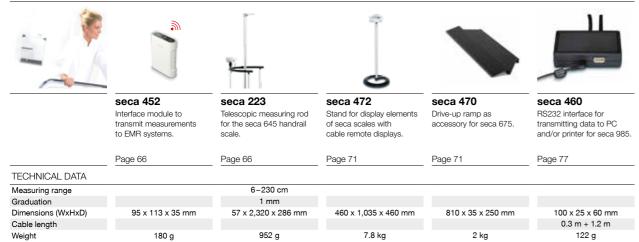
| PHONAL | |
|----------|-------------------|
| nterface | seca 452*. seca 4 |

*EMR integration with interface module seca 452 on request.



| | seca 645 Large EMR ready standing aid scale for multifunctional use with fixed rail, high capacity, BMI function and time module. | seca 685 EMR ready multifunctional scale with stable handrail and high load bearing capacity, with castors for transport ease. | seca 677 EMR ready wheelchair scale with handrail and transport castors. | seca 665 EMR ready electronic wheelchair scale with high capacity, collapsible, wheels for transport and integrated time module. | seca 657 EMR ready electronic platform scale with innovative memory function. | seca 675 EMR ready electronic platform scale with high capacity and wheels for transport. |
|---|---|--|--|--|---|---|
| | Page 66 | Page 67 | Page 68 | Page 69 | Page 70 | Page 71 |
| TECHNICAL DATA | | | | | | |
| Capacity | 300 kg | 300 kg | 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 | 100 g < 200 kg > 200 g | 100 g < 200 kg > 200 g |
| Dimensions (WxHxD) | 640 x 1,150 x 660 mm | 910 x 1,100 x 1,064 mm | 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 (WxHxD) | 600 x 55 x 600 mm | 800 x 55 x 840 mm | 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 | 25.4 kg | 59.5 kg | 38 kg | 33.4 kg | 46.2 kg | 27 kg |
| Power supply | Mains adapter, rechargeable batteries | Mains adapter | Mains adapter | Mains adapter, rechargeable batteries | Mains adapter | Mains adapter |
| Approval class | (III) | (111) | (111) | (III) | (11) | (11) |
| | | C | J | | | |
| FUNCTIONS/ACCESSO TARE/Pre-TARE | DRIES • | • | • | • | • | • |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD | DRIES | _ | _ | • | _ | _ |
| FUNCTIONS/ACCESS(TARE/Pre-TARE HOLD Auto-HOLD | DRIES • | _ | _ | | _ | _ |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD | DRIES • | _ | _ | • | : | _ |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI | DRIES • • • • • | _ | _ | • | : | _ |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range | DRIES • • • • | • | • | • | : | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over | DRIES • • • • | • | • | • | • | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off | DRIES • • • • | • | • | | • | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND | DRIES • • • • • • • • • • • • • | • | • | • | | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND PRINT | DRIES | • | • | • | | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND PRINT Transport castors | DRIES | | • | | | • |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND PRINT Transport castors Ramp | DRIES | • | • | • | | : |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND PRINT Transport castors Ramp OPTIONAL | DRIES | 1 x integrated | 2 x integrated | 2 x integrated | 2 x integrated | • • • • • 1 x integrated |
| FUNCTIONS/ACCESSO TARE/Pre-TARE HOLD Auto-HOLD BMI Auto-CLEAR Auto weighing range switch-over Damping RESET Automatic switch-off SEND/Auto-SEND PRINT Transport castors Ramp | DRIES | | • | | | • |

ACCESSORIES FOR MULTIFUNCTIONAL AND WHEELCHAIR SCALES AND BED AND DIALYSIS SCALE



102 | 103 Technical data

ORGAN, SWAB AND NAPPY SCALES





seca 856

Organ, swab and nappy scale with protected electronics for precise determination of net weight.

| | Page 78 |
|-----------------------------------|-------------------|
| TECHNICAL DATA | |
| Capacity | 5 kg |
| Graduation | 1 g < 3 kg > 2 g |
| Dimensions (WxHxD) | 265 x 53 x 265 mm |
| Dimensions/scale platform (WxHxD) | 235 x 5 x 170 mm |
| Weight | 1.9 kg |
| Power supply | Batteries |
| FUNCTIONS | |
| TARE/Pre-TARE | • |
| HOLD | • |
| Automatic switch-off | • |

DIGITAL PORTION AND DIET SCALE





seca 852

Digital portion and diet scale with perfect fitting bowl for safe storage, finest graduation.

| | Page 79 |
|-----------------------------------|--------------------|
| TECHNICAL DATA | |
| Capacity | 3 kg |
| Graduation | 1 g |
| Dimensions (WxHxD) | 210 x 140 x 210 mm |
| Dimensions/scale platform (WxHxD) | 140 x 53 x 140 mm |
| Weight | 710 g |
| Power supply | Batteries |
| FUNCTIONS | |
| TARE | • |
| Automatic switch-off | • |





SOFTWARE

ACCESSORIES FOR SOFTWARE















Welch/Allyn

Medical PC software for diagnostic assistance.

seca analytics 115 seca emr flash 101 Software to connect EMR ready products with EMR systems.

seca 452 Interface module to transmit measurements to EMR systems.

seca 456 USB adapter for data reception on PC.

seca 456 wa USB adapter for data reception and transmission to a Welch Allyn CVSM or Integrated Wall System.

| | | | | | | integrated waii System. |
|------------------------------|---|--|----------------------|--|---|---|
| | Page 81 | Page 82 | | Page 83 | Page 83 | Page 83 |
| TECHNICAL DATA | | | TECHNICAL DATA | | | |
| Dimensions (WxHxD) Weight | 137 x 192 x 7 mm 78 g | | Dimensions Weight | 95 x 113 x 35 mm 180 g | 85 x 23 x 10 mm 12 g | 85 x 23 x 10 mm 12 g |
| SYSTEM REQUIREMEN | VTS | | SYSTEM REQUIREMENT | rs | | |
| Supported operating systems | Windows® 10, Windows® 8.1, Windows® 8. Windows® Server 2012 R2, Windows® Server 2012, Windows® Server 2014, Windows® Vista (SP1, SP2), Windows® Server 2008 R2 and Windows® Server 2008 | Windows® 10, Windows® 8.1, Windows® 8, Windows® 7 (SP1) and Windows® Vista (SP1, SP2) | | - | | |
| Processor | 1.2 GHz or higher | | Processor | 1.2 GHz or higher | | |
| Hard Disk Space | minimum 1 GB | | Hard Disk Space | minimum 1 GB | | |
| Memory | minimum 512 MB RAM | | Memory | minimum 512 MB RAM | | |
| Additional HW | DVD drive | | Additional HW | | | |
| Ports | for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232) | for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232) | Ports | USB 2.0, 2x ISIS-Bus, LAN, adapter | for usage in combination with seca medical devices USB port (2.0) | for usage in combination with seca medical devices USB port (2.0) |
| Display | 1,024 x 768, High Colour (16-bit), 32-bit (recommended) | | Display | | | |
| | | | Software | installed seca integration solution | seca emr flash 101 or seca analytics 115 | seca emr flash 101 or seca analytics 115 |
| EMR READY | | | EMR READY | | | |

Technical data 104 | 105

Measuring systems and scales:

TARE function

Useful when any additional weight (e.g. nappies 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.

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.

RMIE

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).

Mother/childfunction

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.

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 stabilised.

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

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

Confirm

The Confirm button approves measuring results before they are transmitted. Additionally, the confirm button may be used to confirm settings within the scales menu.

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.

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.

Limit value function

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

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.

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.

RESET function

The RESET function restores the factory settings.

SEND. Auto-SEND function

At the press of a button, all measurements and input data are wirelessly transmitted to receive-ready devices such as a scale with a corresponding BMI function, a PC with the software seca emr flash 101 or software seca analytics 115. When the Auto-SEND function is activated, the SEND function is automatically triggered when the weight on the scale has stabilized or height measurements have been confirmed.

PRINT function

Measurement data like weight and/or height can be wirelessly transmitted to a standard office printer via the USB adapter seca 456 and the software seca emr flash 101.

When the Auto-SEND function is activated, the measurement data is automatically sent to the printer when the weight on the scale has stabilized or the height measurement has been confirmed.

The products in this catalogue bearing the symbol CE0 123 and / or CE 102 fulfill the applicable requirements of directive 93/42/EEC on medical devices or directive 2014/31/EU on non-automatic weighing



Scales bearing this symbol and products shown in this catalogue 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 fulfill the applicable requirements of directive 93/42/EEC on medical devices.



Scales bearing this symbol comply with the strict stringent of Class III of the directive and can be used for medical

The seca mBCA and seca mVSA:

| mBCA | Medical Body Composition Analyzer: a device that provides a medically precise measurement of a person's body | HYD |
|-------|--|------------------|
| | composition. | Impe |
| BIA | Bioelectrical Impedance Analysis: a method of analysing body | Resi |
| | composition. This involves measuring the resistance of the body and its parts to a weak alternating electrical current. | Read |
| FM | Fat Mass: the fat mass defines the amount of body fat in | BMI |
| | kg as an absolute mass and in % as the relative proportion of the body weight. | |
| FFM | Eat Evan Maga: the total hady weight minus the fat maga | BIVA |
| FFIVI | Fat-Free Mass: the total body weight minus the fat mass. | |
| FMI | Fat Mass Index: this index measures the proportion of body fat based on the height, weight and fat mass. | всс |
| 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 |
| SMM | Skeletal Muscle Mass: this includes all the muscles that are | |
| | attached to the skeleton or – by extension – used to move the body. | HL7, |
| твw | Total Body Water: the sum of the fluids outside and inside | mVS |
| | the cells of the body, not including the substances dissolved therein. | |
| ECW | Extracellular Water: all fluids found outside the cells | |
| | in the human body. | SpO ₂ |
| ICW | Intracellular Water: all fluids found inside the cells in the human body. | |
| | · | NIBF |
| 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). | |

Hydration: the ratio of extracellular water to intracellular water.

edance (Z), These represent the raw data from the Bioelectrical Impedance ase angle (φ). Analysis that can be used for medical studies. This includes istance (R), the impedance, the phase angle and the two impedances, ctance (Xc) resistance and reactance.

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.

Bioelectrical Impedance Vector Analysis: the way in which the BIVA is presented enables analysis of hydration and cell mass.

> 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.

Electronic Medical Record: these are information systems that are used in hospitals to record and present patient information.

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

(Bioelectrical Impedance Analysis).

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

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

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

Products bearing this symbol fulfill the applicable requirements of the following directive:

• 93/42/EEC on medical devices



The professionalism of seca is also officially recognised. 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 authorised to conduct the manufactur- locally via Germany's Dual System recycling er's conformity assessment of medical scales.

106 | 107



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

seca technical terms



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 178 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.