CATALOG 2018 / **medical international**

Medical Measuring Systems and Scales since 1840

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seca®
Precision for health

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Just ask us. We will find an answer to your question. Please call us at

1-800-542-7322

or visit us at
www.**seca**.com

Title: “seca wireless” by Metz + Racine

▸ Since 1840 we have been the experts in medical measuring and weighing, so we know the challenges confronting medical facilities today. On the one hand, you have to react as a business in which profitability is top priority. Efficient processes and cost awareness are critical to maintaining a stable position in the market. On the other hand, you want to ensure the well-being of your patient by meeting high standards for quality, service and innovation, criteria by which hospitals and medical practices are judged in times of the informed patient and an increasingly digitalized world.

At seca we demand more of ourselves than a merely adequate reaction to this transformation; we want to have a hand in its development. Our portfolio has long since advanced beyond medical measuring systems and scales and now offers integrated solutions such as measuring stations that communicate with each other, service and software systems that optimize everyday medical processes, and the medical Body Composition Analyzer (mBCA), which uses Bioelectrical Impedance Analysis to revolutionize diagnostics and treatment. Innovation, integration and service – those are our answers to the medical challenges of our times.

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seca®
Precision for health

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

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 EMR system, where they are centrally archived. With digital centralization of all relevant patient data, users can quickly detect changes, see everything in context and get a complete picture of the patient.

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

Service

Surpass standards, increase capacity

In the era of digitalization 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 Electronic Medical Record (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.**seca**service.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

Best-fit products by medical area of application

PRIMARY CARE

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Column scale seca 703
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Ultrasonic measuring station seca 286 dp
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Doctor scale seca 874 dr
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ACUTE CARE

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NEPHROLOGY & DIALYSIS

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Platform scale seca 674
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Chair scale seca 954
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GERIATRICS

Chair scale seca 954
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Wheelchair scale seca 676
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CLINICAL NUTRITION

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CARDIOLOGY

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Column scale seca 703
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For more information on seca products or services, contact us at:

1-800-542-7322

GYNECOLOGY & OBSTETRICS

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ENDOCRINOLOGY & DIABETOLOGY

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PEDIATRIC 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, thanks to the skin-friendly materials that immediately take on and radiate body warmth. With designs that make the baby feel safe and advanced functions that shorten the weighing process. seca integration solutions allow you to transmit measurements quickly and securely without cable connections to any EMR (Electronic Medical Record) or printer.

EMR Integration

The damping system ensures fast and precise measurements.

seca 402

seca 403

seca 727

EMR ready baby scale
with fine 0.1 oz graduation

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 727 can transmit measurements wirelessly to an EMR system and receive patient data.

- Capacity: 44 lbs / 20 kg
- Graduation: 0.1 oz / 1 g < 6 kg > 2 g
- Functions: TARE, HOLD, Auto-HOLD, auto weighing range switch-over, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452 and seca 456, mobile carts seca 403 and seca 402

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

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 727, seca 374, seca 333i, seca 334, seca 354 and seca 354m. They were specially developed for safe and hygienic routine use in hospitals and medical practices. Customized 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 727:

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

The optional measuring rod seca 233 turns the seca 374 into a complete measuring and weighing system.

EMR Integration

reddot design award

seca 374

EMR ready baby scale with extra large weighing tray

Ergonomic, convenient and time-saving: these are the key words that define the seca 374. Its extra large tray lets you weigh a seated toddler of up to 44 lbs, 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 diapered baby? 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 374 is operated by batteries, so there's no need for electrical outlets.

- Capacity: 44 lbs / 20 kg
- Graduation: 0.2 oz < 22 lbs > 0.5 oz / 5 g < 10 kg > 10 g
- Functions: TARE, BMIF, Auto-HOLD, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 456, mobile carts seca 403 and seca 402, measuring rod seca 233, head and foot positioners seca 418, switch-mode power adapter seca 400

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca 374:

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

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

With seca integration solutions and the press of a key, the seca 374 can transmit every measurement to a seca wireless printer or to an EMR system.

Power supplied by batteries for mobile use.

Accessories

seca 233

Measuring rod for baby scale seca 374

The measuring rod seca 233 with integrated head and foot positioner turns the seca 374 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: 14–32" / 35–80 cm,
- Graduation: 1/8" / 1 mm

The optional measuring rod allows simultaneous weighing and height measurement.

Accessories

seca 418

Head and foot positioner for baby scale seca 374

Easy and convenient: the head and foot positioner seca 418 can easily be attached to the baby scale seca 374. This accessory increases safety by securing baby at head and feet. Integrated handles also make it easier to transport the seca 374.

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

The optional digital measuring rod seca 234 permits weighing and measuring in one step.

EMR Integration

new

seca 333 i

EMR ready baby scale with Wi-Fi function *

The seca 333 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 height and weight 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: 44 lbs / 20 kg
- Graduation: 0.25 oz / 5 g
- Functions: TARE, BMIF, HOLD, Auto-HOLD, auto weighing range switch-over, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT, confirm, Wi-Fi
- Optional: mobile carts seca 403 and seca 402, digital measuring rod seca 234, analog measuring rod seca 232 n, carrying case seca 428
- Ports: USB bar code scanner

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca 333 i:

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

new Accessories

seca 234

Digital measuring rod for baby scale seca 333 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: 14 – 32" / 35 – 80 cm
- Graduation / printed on measuring rod: 1/8" / 1 mm
- Graduation / digital display: 1/8" / 1 mm / 5 mm / 10 mm (configurable)

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

new Accessories

seca 232 n

Mechanical measuring rod for baby scale seca 333 i

As easy to assemble as to read the display: The mechanical measuring rod with integrated head and foot positioners make the seca 333 i even more efficient as measuring and weighing are now done in a single process.

- Measuring range: 14 – 32" / 35 – 80 cm
- Graduation: 1/8" / 1 mm

* The availability of the Integration Services can vary depending on the project. Please contact us to plan your integration project.

reddot design award

Low weight and practical handle make transport effortless.

seca 334

Digital baby scale

- Capacity: 44 lbs / 20 kg
- Graduation: 0.2 oz < 22 lbs > 0.5 oz / 5 g < 10 kg > 10 g
- Functions: TARE, BMIF, Auto-HOLD, lbs/kg switch-over, automatic switch-off
- Optional: mobile carts seca 403 and seca 402, measuring rod seca 232, head positioner seca 419, switch-mode power adapter seca 400, carrying case seca 428

Accessories

seca 232

Measuring rod for baby scale seca 334

Just as easy to fit as it is to read: this baby measuring rod with integrated head and foot positioner makes the seca 334 even more efficient because now weighing and measuring can be done in one step.

- Measuring range: 14 – 32" / 35 – 80 cm
- Graduation: 1/8" / 1 mm

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

Accessories

seca 428

Carrying case for baby scale seca 333 i and seca 334

The baby scale seca 334 can be safely and efficiently transported in this customized carrying case of water-repellent material equipped with a shoulder strap and practical padding.

optimized

seca 354

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

Two scales in one: the seca 354 baby scale with a comfortable weighing tray and a fine graduation of 0.2 oz. In no time at all, it can be converted into a floor scale for children with a capacity of 44 lbs. 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.

- Capacity: 44 lbs / 20 kg
- Graduation: 0.2 oz < 22 lbs > 0.5 oz / 5 g < 10 kg > 10 g
- Functions: TARE, BMIF, Auto-HOLD, lbs/kg 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) and seca 413

Accessories

seca 413

Carrying case for baby scales seca 354

With this case, the baby scale seca 354 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 added value

Baby scales that can also weigh toddlers?
There is such a thing – from seca of course. The high capacity of the seca 354 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 44 pounds.

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

To simplify cleaning, weighing tray can be removed.

seca 725

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 diaper 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 725 and contributes to the scale's guaranteed long service life.

- Capacity: 16 kg
- Graduation: 5 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 diaper.

PEDIATRIC MEASURING SYSTEMS

Adaptable devices are preferred.

▸ Clinics, medical practices and health care facilities have varied conditions and requirements. seca responds with a wide range of products for pediatrics – from 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

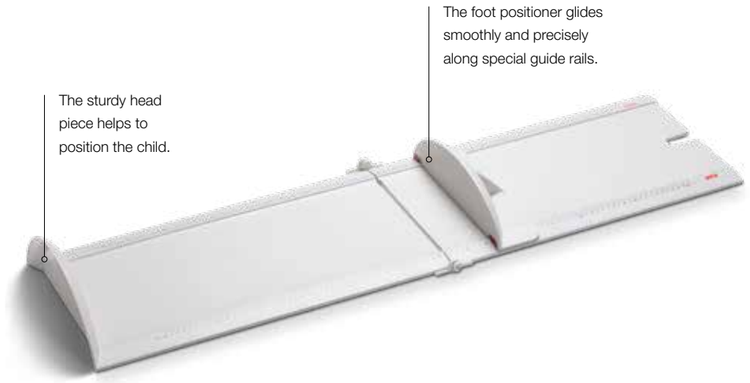
The sturdy construction and stability of the infantometer makes it quick and easy to measure babies and toddlers up to two years old. The board is generously designed and the raised and softly rounded sides guide the baby easily and safely into the right position. Permanently mounted with rollers on 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: 13 – 39" / 33 – 100 cm
- Graduation: 1/16" / 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.



seca 417

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: 4–39" / 10–100 cm
- Graduation: 1/16" / 1 mm
- Optional: baby scale seca 354, backpack seca 409 or carrying case seca 414 (each for combination with baby scale) and seca 412

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

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

Accessories

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.

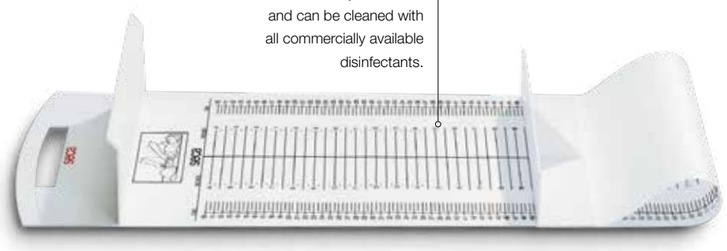
Possible combination

seca 354, seca 417 and seca 414

Mobile measuring and weighing system for babies and toddlers

Babies and toddlers have to be measured and weighed regularly to monitor the status and development of their health. Especially when the examinations take place at different locations. Safely stored in the roomy carrying case, the baby and toddler scale with a capacity of up to 20 kg and the infantometer for measurements up to 39 inch can be set up in just a few steps.

reddot design award



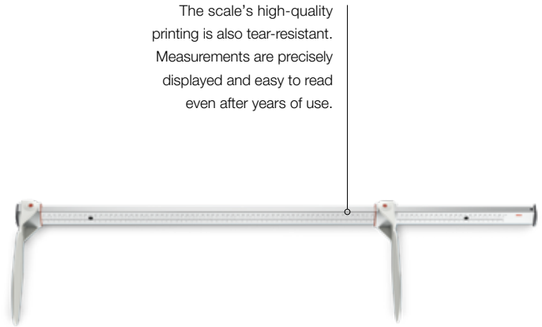
seca 210

Mobile measuring mat for babies and toddlers

The seca 210 is a lightweight and space-saving solution for precise measurement of the length of babies and toddlers while lying down. While kind to the skin, the seca 210 is washable and foldable. The fixed head piece and the sliding foot positioner make it simple to use.

- Measuring range: 4–39" / 10–99 cm
- Graduation: 1/4" / 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.



optimized

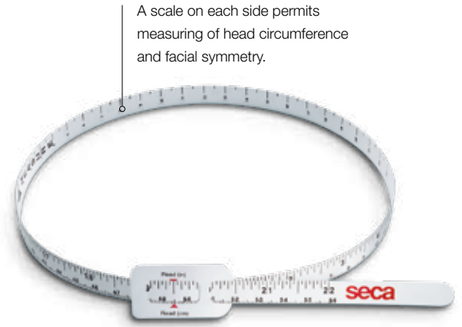
seca 207

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 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: 0–39" / 0–99 cm
- Graduation: 1/8" / 1 mm

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



seca 212

Reusable 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: 1–23" / 3–59 cm
- Graduation: 1/16" / 1 mm

15 pcs. per unit

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

seca 218

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: 0–36" / 0–100 cm
- Graduation: 1/8" / 1 mm

500 / 1,000 pcs. per unit

seca 211

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: 5–23" / 12–59 cm
- Graduation: 1/16" / 1 mm

500 / 1,000 pcs. per unit

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

Simple refilling of up to 100 measuring tapes.

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

seca 102

Convenient pads for recording child's vital growth information

- Easy reminder for you – record name, visit date, age, height, weight and percentile
- Great take-home for parents
- Record child's growth
- Dimensions: 4 1/4" x 5 1/2"
- Five 100-page pads per pack

Accessories

seca 405 (b/g) / seca 406 (b/g)

Growth charts

These growth charts for boys (blue) and girls (pink) are the fast, convenient way to track lenght/height, weight, head circumference and Body-Mass-Index percentiles by age. Plot newborns up to thirty-six months on the seca 405 b or seca 405 g and children from two to twenty years on the seca 406 b or seca 406 g.

100 sheets per pad.

Accessories

seca 407 (b/g)

Growth charts

New recommendation for breast fed infants based on WHO (World Health Organization) standards. This chart covers up to 24 months.

MEDICAL BODY COMPOSITION ANALYZERS

Where BMI ends, the seca medical Body Composition Analyzer begins.

▸ Size 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 or the skeletal muscle mass in a medically precise way. In short: The seca mBCA analyzers are innovative instruments for the support of diagnosis and therapy control and enable successful patient consultations.

* 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

seca mBCA 514

Medical Body Composition Analyzer for determining body composition while standing

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 analyze the results from many different perspectives.

EMR Integration

The seca mBCA 514 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 514.

- Capacity: 660 lbs / 300 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Display type: 8.4" touchscreen display, can be rotated 360°
- Interfaces: seca 360° wireless, USB 2.0, Ethernet
- Measurement method: 8-point Bioelectrical Impedance Analysis
- Measurement current: 100 µA
- Measurement time, normal mode: 17 seconds

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca mBCA 514:

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

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

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 660 lbs.

The clearly organized presentation of all measurement results simplifies diagnosis and thereby the patient consultation as well. The pressure-sensitive technology enables the menu to be operated even while wearing gloves or under a protective covering.

EMR Integration

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.

seca mBCA 525

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: 6.6 lbs / 3 kg
- Electrode type: adhesive electrodes (PVC-free)
- Dimensions (WxHxD): 9.9 x 10.3 x 9.1" / 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
- 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, carrying case seca 432

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

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

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

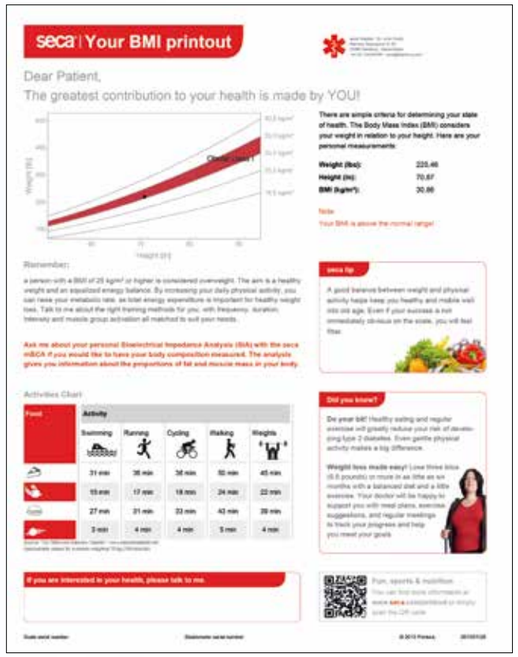
MEASURING STATIONS AND COLUMN SCALES

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 or wireless printer. 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.



Example of seca directprint patient printout. Dependable data on height, weight and BMI, prepared individually for five different patient types.

seca | service

For seca 286 dp:

- 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.

optimized

seca 286 dp

EMR ready ultrasonic measuring station for height and weight with voice guidance

With the seca 286 dp 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: 660 lbs / 300 kg
- Graduation: 0.1 lbs / 50 g
- Functions: Pre-TARE, mother/child-function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, auto weighing range switch-over, lbs/kg switch-over, damping, SEND/PRINT
- Optional: interface module seca 452 and seca 456, wireless printer advanced seca 466 and printer holder seca 482, wireless printer seca 465 and printer holder seca 481

Length measurement:

- Measuring range: 1 ft 12 – 6 ft 10" / 60 – 210 cm
- Graduation: 0.05" / 1 mm
- Ultrasonic technology: 3 pairs of sensors (3 receivers, 3 transmitters)
- Auto-calibration

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

EMR Integration

The digital touchscreen display can be easily operated by medical specialists but also has a keylock to prevent patients from accidentally changing the settings.

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

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

seca 284 dp

EMR ready measuring station for body height and weight

The EMR ready measuring station seca 284 dp 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 284 dp 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 0.1 lbs that lets the user detect even slight changes in the patient's weight.

Scale:

- Capacity: 660 lbs / 300 kg
- Graduation: 0.1 lbs / 50 g
- Functions: Pre-TARE, mother/child-function, HOLD, Auto-HOLD, Auto-BMI, CLEAR, Auto-CLEAR, lbs/kg switch-over, damping, SEND/PRINT
- Optional: interface module seca 452 and seca 456, wireless printer advanced seca 466 and printer holder seca 482, wireless printer seca 465 and printer holder seca 481

Measuring rod:

- Measuring range: 11–7 ft 2" / 30–220 cm
- Graduation: 1/8" / 1 mm
- Functions headpiece: HOLD, user-defined zero setting, automatic switch-off, SEND/PRINT

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

EMR Integration

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

GOOD DESIGN

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

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

seca | service

For seca 284 dp:

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

seca added value

Height and weight measured, displayed and transmitted together? There is such a thing – by seca, of course. With the measuring station seca 284 dp, height and weight can be wirelessly transmitted in one step. Along with the automatically calculated BMI, the results are shown in the three-line display. As required, the data can be quickly and securely transmitted wirelessly to a seca printer with wireless transmission or PC.

seca 763

Digital measuring and weighing station with automatic BMI calculation

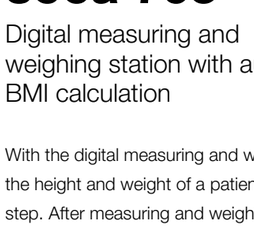
With the digital measuring and weighing station seca 763, both the height and weight of a patient can be obtained in just one step. After measuring and weighing, both values are indicated on two LCDs integrated into the display panel. On the basis of these values, the seca 763 automatically calculates the BMI of the patient at the touch of a button. This provides information on the general nutritional condition of the patient on the basis of the recognized WHO standard. With a capacity of 550 lbs, the slip resistant base and anti-tip column design makes measuring and weighing a safe procedure for heavyweight patients.

Column scale:

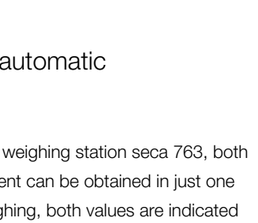
- Capacity: 550 lbs / 250 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, HOLD, Auto-BMI, lbs/kg switch-over
- Optional: RS232 interface seca 460

Integrated Measuring rod:

- Measuring range: 43 – 79" / 110 – 200 cm
- Graduation: 0.05" / 1 mm



The scale's low height enables even heavier patients weights to step effortlessly onto the platform.



Height can be measured digitally with the integrated measuring rod.

The headpiece on the height measuring rod is especially large to ensure correct positioning of the head. Precise measurements are guaranteed.

Accessories

seca 460

RS232 interface for connection to printer or PC

This interface allows the seca 763 measuring station to be connected directly to a PC or printer.

Thanks to the connection between scales and PC or printer, it is easy to analyze and record measurements.

COLUMN SCALES

Help wherever they can.

seca | service

For seca 703:

- 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 703 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 or wireless printer? It's as easy as pressing the function key.

▸ After 177 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, make for effortless transport into the next room.

seca 703

EMR ready column scale with capacity up to 660 pounds

Weighing small children to obese patients – the seca 703 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 660 lbs 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: 660 lbs / 300 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Functions: TARE, Pre-TARE, mother/child-function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- seca 220 measuring rod included
- Optional: interface module seca 452 and seca 456, measuring rod seca 224, power adapter seca 447, switch-mode power adapter seca 400

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

The heavy duty cast iron base is slip resistant with an anti-tip column design.

Optional telescopic measuring rod.

Practical castors permit mobile use.

With the interface module seca 452, the seca 703 can transmit every measurement to an optional seca wireless printer or directly to an EMR system.

Measure and weigh in just one step – thanks to the integrated measuring rod.

optimized

seca 703 s

EMR ready column scale with integrated measuring rod

Measuring and weighing in a single step – that is why the EMR ready column scale seca 703 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 90 inch. The seca 703 s automatically determines the BMI from these two values. The results can immediately be sent wirelessly to a printer or 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 pediatrics, 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: 660 lbs / 300 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Functions: TARE, Pre-TARE, mother/child-function, HOLD, Auto-HOLD, BMI, Auto-CLEAR, damping, lbs/kg switch-over, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452 and seca 456, head positioner seca 430, power adapter seca 447, switch-mode power adapter seca 400

Measuring rod:

- Measuring range: 3–90" / 6–230 cm
- Graduation: 1/8" / 1 mm

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

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

Practical castors permit mobile use.

seca | service

For seca 703 s:

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

seca 769

Digital column scale with BMI function

Versatile, low-maintenance and site-independent with economic battery operation – the seca 769 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 769 is equipped with several intelligent functions. For example, the BMI function permits a reliable evaluation of the nutritional condition of the patient. With the slip resistant base and antitip column design, patients can be safely measured and weighed. With its transport castors, the column scale is also easy to transport.

- Capacity: 450 lbs / 200 kg
- Graduation: 0.2 lbs / 100 g
- Functions: TARE, HOLD, BMI, lbs/kg switch-over, automatic switch-off
- seca 220 measuring rod included
- Optional: measuring rod seca 224, power adapter seca 447, switch-mode power adapter seca 400

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

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

optimized Accessories

seca 224

Side-mounted telescopic measuring rod for seca column scales

This telescopic measuring rod can be mounted on 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: 24–78" / 60–200 cm
- Graduation: 1/8" / 1 mm
- Optional: head positioner seca 430

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

seca 700

Mechanical column scale with eye-level beam

With a capacity of 500 lbs, this mechanical column scale is the ideal solution for weighing even overweight persons. 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 and the column from steel, guaranteeing not only firm footing, but also a long service life.

- Capacity: 500 lbs / 220 kg or 400 lbs / 160 kg
- Graduation: 1/8 lbs /50 g or 1/4 lbs / 100 g
- Functions: reset-to-zero function
- seca 220 measuring rod included

reddot design award

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.

optimized Accessories

seca 220

Telescopic measuring rod for seca column scales

The included telescopic measuring rod can be fitted at any time to many seca column scales. It has the same convenient eye-level read out for even taller patients.

- Measuring range: 24–78" / 60–200 cm
- Graduation: 1/8" / 1 mm
- Optional: head positioner seca 430

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

seca 755

Mechanical column scale with BMI display

The seca 755 is one of the first mechanical column scales which displays weight and the nutritional condition of the patient with the BMI function. Once the weight has been determined, it is easy to read the BMI range which, with contrasting colors, is split up into underweight, normal, overweight and obesity. A flat tread area and practical transport castors are further advantages of the seca 755. The column scale is also available with measuring rod.

- Capacity: 350 lbs / 160 kg
- Graduation: 1 lbs / 500 g
- Functions: BMI, reset-to-zero function
- Optional: measuring rod seca 224

reddot design award

The separately available measuring rod permits simultaneous measuring and weighing.

It is easy to determine BMI with the color-coded dial.

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 Integration

The extra-large platform is easy to step onto and slip proof.

seca 634

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 800 lbs and a sturdy, non-slip 22 x 22 inch platform that is just 2.2 inch 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: 98.4 inch) with easy-to-read LCD can be held, mounted on a wall or placed ona table. The 0.1 lbs graduation registers the slightest weight changes even after the patient has left the scale, thanks to the Auto-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: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452 and seca 456, stand for cable remote display seca 472, power adapter seca 447, switch-mode power adapter seca 400

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

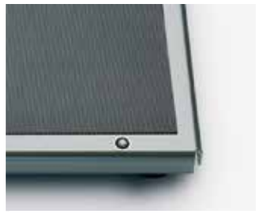
For seca 634:

- 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 634. 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.

Accessories

seca 472

Stand for cable remote display of seca scales

The seca 472 stand is the stable solution for cable remote displays of seca 634, seca 656 and seca 674 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.

With padded sides for completely safe transportation.

Accessories

seca 421

Carrying case

This carrying case is made from water-repellent material to allow safe transportation of the seca 869 flat scale. The handy side pocket also allows safe transportation of a cable remote display or other accessories.

The integrated handle and low weight make this scale easy to transport.

seca 869

Flat scale with cable remote display

A 6.5 foot 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: 550 lbs / 250 kg
- Graduation: 0.2 lbs < 330 lbs > 0.5 lbs / 100 g < 150 kg > 200 g
- Functions: TARE, HOLD, BMI, lbs/kg switch-over, automatic switch-off
- Optional: stadiometer seca 217 combined with adapter element seca 437, power adapter seca 447, backpack seca 409 or carrying case seca 414 (for combination with stadiometer and adapter element) and 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 874

Flat scale for mobile use with push buttons and double display

The seca 874 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. 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: 440 lbs / 200 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Functions: mother/child-function, Auto-HOLD, lbs/kg switch-over, automatic switch-off
- Battery-operated
- 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

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 cooperation with UNICEF. Wide, padded shoulder straps and carrying handles made it comfortable to carry and guarantee a high amount of comfort even on longer trips. Baby scales, flat scales, or measuring boards can thereby 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 874 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 with permanently installed equipment. When stored in the carrying case seca 414, the mobile measuring and weighing system can be used anywhere.

Possible combination

seca 874, 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.

The low weight of only 9.3 pounds makes mobile use possible.

seca 876

Flat scale for mobile use

Scales intended for mobile use have to be lightweight. The compact seca 876 weighs only 9.3 pounds, nevertheless very stable and suitable for patients weighing up to 550 pounds. It stands firmly on four leveling bases that guarantee stability, even when small children are weighed while held by an adult. The mother/child-function ascertains the tare of the weight with just the touch of a button.

- Capacity: 550 lbs / 250 kg
- Graduation: 0.2 lbs < 330 lbs > 0.5 lbs / 100 g < 150 kg > 200 g
- Functions: mother/child-function, lbs/kg switch-over, tip-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

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

The custom label serves to provide individual personalization.

seca 874 dr

Doctor's scale with customizable label

The design and the name speak a common language. The seca 874 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 874 dr is perfectly aligned to the needs of today's medical practices.

- Capacity: 440 lbs / 200 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Functions: mother/child-function, Auto-HOLD, lbs/kg switch-over, automatic switch-off
- Battery-operated or using power adapter
- Optional: customizable label seca 478 at www.seca.com/doctorscale

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

Accessories

seca 415

Carrying case

This practical carrying case can be used to safely transport the flat scales seca 874, seca 876 and seca 803.

The extra-wide surface, 15.7 x 1.8 x 11.8 inch, and the flat shape facilitate trouble-free weighing of heavyweight patients.

seca 813

High capacity digital flat scale for individual patient use

seca has designed the seca 813 with high capacity of up to 440 lbs and an extra wide platform. The tough rubber coating takes the heaviest challenges lightly and the flat construction makes stepping on very easy.

- Capacity: 440 lbs / 200 kg
- Graduation: 0.2 lbs / 100 g
- Functions: Auto-HOLD, step-off, lbs/kg switch-over, tip-on automatic switch-on, automatic switch-off

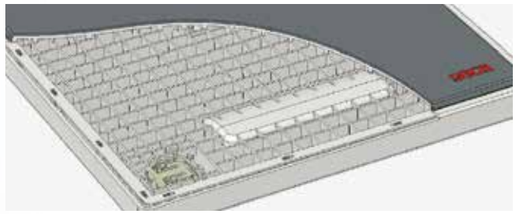
Due to 1.1 inch LCD figures, the weights in the display are easy to read.

seca 803

Digital flat scale for individual patient use

The classic, clean line of the basic model turns heads and the high-quality rubber coating feels good to the touch. It's also pleasantly easy to read the weights in the display because the LCD figures are unusually large.

- Capacity: 330 lbs / 150 kg
- Graduation: 0.2 lbs / 100 g
- Functions: Auto-HOLD, lbs/kg switch-over, tip-on automatic switch-on, automatic switch-off
- Optional: carrying case seca 415



Even the basic model is complex in design and robustly ribbed for a secure stance during the weighing process.

The face of the dial is especially large to make reading the figures much easier.

seca 762

Mechanical personal scale with fine 1 lbs graduation

The precise design classic has a large clear and well-defined dial with a graduation of 1 pound. With a large, low-level, non-slip platform and scratch resistant finish, it is easy for the patient to step on and weigh.

- Capacity: 320 lbs, 150 kg, 320 lbs / 150 kg
- Graduation: 1 lbs, 500 g, 1 lbs / 500 g
- Functions: reset-to-zero function

The rugged metal housing withstands years of use under the hardest conditions imaginable.

The stable material on the platform ensures safety from slippage.

seca 750

Robust mechanical floor scale

Pretty and stable: with their pure, light design, these scales will make a good impression in any clinic. A stable, powdercoated steel casing, a circular display and an easy to clean tread area of imitation leather – what more does one need for comfortable weighing? The seca 750 is available in three versions: pounds, kilograms and pounds/kilograms.

- Capacity: 320 lbs, 150 kg, 320 lbs / 150 kg
- Graduation: 1 lbs, 1 kg, 1 lbs / kg
- Functions: reset-to-zero function

The housing is of metal treated with powdercoated lacquer.

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 anodized aluminum. For quality you can feel – in devices that transmit your data at the touch of a button and in headpieces that always glide smoothly into position and so guarantee consistently precise measurements.

seca 274

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 11 – 7 ft 2" 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 a seca wireless printer, any EMR system or a wireless scale that can calculate the BMI from height and weight measurements.

- Measuring range: 11 – 7 ft 2" / 30 – 220 cm
- Graduation: 1/8" / 1 mm
- Functions: HOLD, inch/cm switch-over, user-defined zero setting, automatic switch-off, SEND/PRINT
- Optional: interface module seca 456, wireless printer advanced seca 466, wireless printer seca 465

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

EMR Integration

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

seca added value

An EMR ready stadiometer that can send its measurements to a PC? There is such a thing – from seca of course: the digital stadio-meter seca 274 (free-standing) and seca 264 (for wall mounting). Both transmit the measured height to the PC, where they are analyzed 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 surfaces.

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 a seca wireless printer, any EMR system or a wireless scale.

- Measuring range: 11 – 7 ft 2" / 30 – 220 cm
- Graduation: 1/8" / 1 mm
- Functions: HOLD, inch/cm switch-over, user-defined zero setting, automatic switch-off, SEND/PRINT
- Optional: interface module seca 456, wireless printer advanced seca 466, wireless printer seca 465

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

EMR Integration

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 | service

For seca 274 and seca 264:

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

seca 217

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: 8 – 6 ft 9" / 20 – 205 cm
- Graduation: 1/8" / 1 mm
- Optional: adapter element seca 437 (for combination with flat scale seca 869, seca 874 or seca 876), backpack seca 409, carrying case seca 414 or seca 412

The spacer provides extra stability and ensures precise measurement results.

The robust base plate guarantees a sturdy stance.

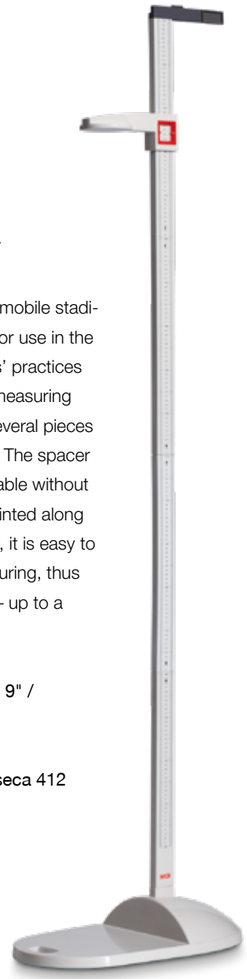
The seca 437 adapter element connects the stadiometer to a flat scale.

seca 213

Portable stadiometer

At only 5.3 lbs, the seca 213 mobile stadiometer is especially suitable for use in the field but also ideal for doctors' practices and pediatric 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: 8 – 6 ft 9" / 20 – 205 cm
- Graduation: 1/8" / 1 mm
- Optional: carrying case seca 412



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

Large platform for stability.

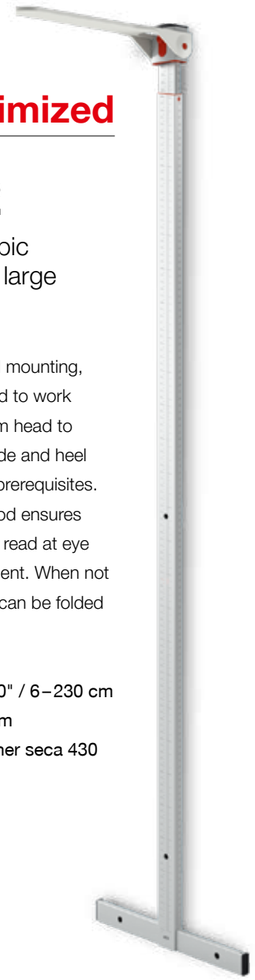
optimized

seca 222

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 head to toe. Its broad measuring slide and heel positioner are professional prerequisites. 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: 2 – 90" / 6 – 230 cm
- Graduation: 1/8" / 1 mm
- Optional: head positioner seca 430



The foot positioner ensures exact positioning and precise measurements.

New: The optional wide head positioner seca 430.

seca 216

Mechanical measuring rod for children and adults

The seca 216 has a variable scale with a range of 1.4 – 90 inches that is inserted into a 55.3 inch 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. 55.3" / 138 cm, variable from 1.4–90" / 3.5–230 cm
- Graduation: 1/16" / 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.

This high-quality scale made of metal is intended for longterm use.

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 highquality 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: 0–80" /0–205 cm
- Graduation: 1/8" / 1 mm
- Function: WHR calculator

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: 0–87"/ 0–220 cm
- Graduation: 1/8" / 1 mm

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 80 inches 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: 0–80" / 0–205 cm
- Graduation: 1/8" / 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 or seca wireless printer.

seca 644

EMR ready multifunctional handrail scale

Equipped with an extremely low-level, easy-access platform, a stable handrail, and high weight-bearing capacity, this multi-functional 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 644 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: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: interface module seca 452 and seca 456, measuring rod seca 223

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

The display can be rotated in every direction.

Because the handrail is part of the weight sensitive area, measurements are absolutely sure even if the patient supports himself on it.

EMR Integration

optimized Accessories

seca 223

Telescopic measuring rod for handrail scales

This easy-to-fit measuring rod (fittings included) converts the handrail scale seca 644 into a real all-round talent. The determined height can be entered directly into the control unit of the seca 644 so that all relevant data is captured and used to determine the BMI.

- Measuring range: 2–90" / 6–230 cm
- Graduation: 1/8" / 1 mm

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

seca | service

For seca 644 and seca 684:

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

EMR Integration

seca 684

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 (31.5 x 33.1 inch) 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: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, SEND/PRINT
- Optional: interface module seca 452 and seca 456

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca added value

A fold-out seat with integrated damping system? There is such a thing – from seca of course. Our wireless multifunctional scale seca 684 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.

EMR Integration

seca 676

EMR ready wheelchair scale with handrail and transport castors

Stable, functional and mobile: thanks to its large platform and sturdy handrail, the seca 676 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 676 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 676 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 seca wireless printer
or the PC.

- Capacity: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, SEND/PRINT
- Two ramps included
- Optional: interface module seca 452 and seca 456

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca 676 and seca 664:

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

seca added value

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 676 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.

EMR Integration

seca 664

EMR ready digital wheelchair scale

With its high capacity of 800 pounds, 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 utilizing internal weight memory. All the data can be transmitted wirelessly to a printer or PC immediately after weighing. The swiveling LCD with large letters is easy to read both for the patient and for the caregiver. The seca 664 can be folded up in no time and can be transported anywhere, thanks to its roller castors.

- Capacity: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Two ramps included
- Optional: interface module seca 452 and seca 456

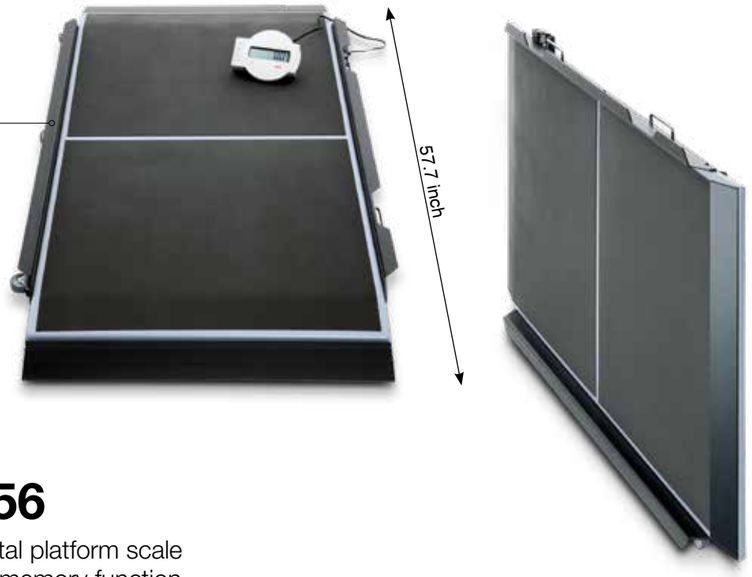
Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

The seca 664 simply folds up and moves easily across the floor on castors.

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

EMR Integration

With its transport castors and steering castor, the seca 656 can be maneuvered easily.



seca 656

EMR ready digital platform scale with innovative memory function

The especially large platform of the seca 656 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 656 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 800 pounds, the seca 656 can weigh even overweight persons with no problem at all. With the practical castors and integrated handles, the seca 656 is also transportable for use in various locations. And with the seca integration solutions, the measurements can be sent to a seca wireless printer or the PC at the push of a button.

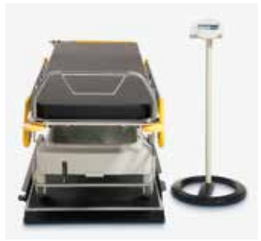
- Capacity: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, Auto-CLEAR, lbs/kg switch-over, damping, SEND/PRINT
- Two ramps included
- Optional: interface module seca 452 and seca 456, stand for cable remote displays seca 472

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca 656:

- 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 674

High capacity digital platform scale with transport castors

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 674 mobile.

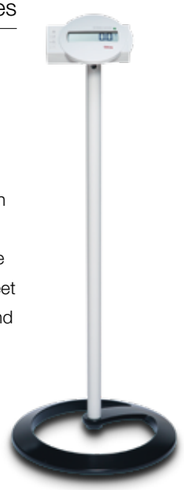
- Capacity: 800 lbs / 360 kg
- Graduation: 0.1 lbs / 50 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, lbs/kg switch-over, damping, RESET
- One ramp included
- Optional: Stand for cable remote displays seca 472, second ramp seca 470

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 634, seca 656 and seca 674 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

Competence takes the chair.

How can you gently and carefully weigh bedridden patients or people who are unsteady on their feet? The best choice is a seca chair scale, which you can take directly to the patient. That saves you – and nursing staff – from unnecessary steps. And with the scale's wireless function, transmission of data to a printer or an EMR system is quick and easy.

EMR Integration

seca 954

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, orthopedics, dialysis and nursing homes. This mobile chair scale, which can be operated by a rechargeable battery provides enormous help in rehab, orthopedics, dialysis, nursing homes and pediatrics. The practical pouch seca 471 attached to the scale frame stores the power adapter.

- Capacity: 660 lbs / 300 kg
- Graduation: 0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g
- Functions: TARE, Pre-TARE, HOLD, Auto-HOLD, BMI, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: Interface Modul seca 456

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

seca | service

For seca 954:

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

With its exceptionally high capacity of up to 660 pounds, the BMI function and options to use mains or battery power, the chair scale seca 954 is ideal for use in any situation.

seca 952

Chair scale for weighing while seated

With a capacity of 440 pounds and a graduation of 0.2 pounds, the seca 952 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 952 is also equipped with the important TARE function which allows every newly added weight to be ascertained separately and the Auto-HOLD function which lets medical personnel take care of the patient first and read out the results later.

- Capacity: 440 lbs / 200 kg
- Graduation: 0.2 lbs / 100 g
- Functions: TARE, Auto-HOLD, lbs/kg switch-over, automatic switch-off

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

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

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 984

Digital bed and dialysis scale
with equipment trolley

Always in use: the seca 984 facilitates the easy, gentle and precise weighing of bedridden patients and is an indispensable aid in dialysis and intensive care. With the integrated lifts, four load cells can be placed easily and effortlessly under the castors of the bed. The previously determined weight of the bed is deducted using the TARE function and the patient's precise weight is determined. In the event of a power failure, the scale stores all previously displayed values using rechargeable batteries. When not in use, the four bed lifts can be stored on the equipment trolley.

- Capacity: 1,100 lbs / 500 kg
- Max. patient weight: 550 lbs / 250 kg
- Graduation: 0.2 lbs < 440 lbs > 0.5 lbs / 100 g < 200 kg > 200 g
- Functions: TARE, Pre-TARE, HOLD, BMI, limit value, lbs/kg switch-over, damping
- Optional: RS232 interface seca 460

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

SPECIALIZED 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 and diaper scale and the extremely precise portion and diet scale for clinical nutritionists.

seca 856

Digital organ and diaper scale
with stainless steel cover

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: 11 lbs / 5 kg
- Graduation: 0.05 oz < 6.6 lbs > 0.1 oz / 1 g < 3 kg > 2 g
- Functions: TARE, Pre-TARE, HOLD, lbs/kg switch-over, automatic switch-off

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 scale and bowl are so perfectly matched that the scale simply slips into the bowl for storage.

- Capacity: 6.6 lbs / 3 kg
- Graduation: 0.05 oz / 1 g
- Functions: TARE, lbs/kg switch-over, automatic switch-off

In storage too the scale and bowl have a perfect connection.

The fine graduation to just one gram permits precise weighing.

WIRELESS PRINTERS

seca printers don’t just print – they also assist with analysis.

▸ Measurements received from the seca EMR ready products can be printed out by seca wireless thermal printers. The printers also assist with the analysis and interpretation of the data by presenting BMI in graphic displays and comparing growth percentiles of children with the relevant statistical norms.

seca 466

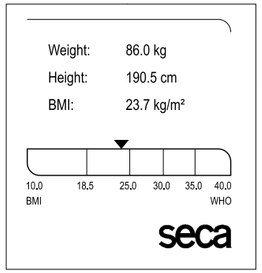
Wireless printer advanced for reception, analysis and printing of measurements on thermal paper or labels

EMR Integration

With the wireless printer advanced seca 466 with integrated automatic cutting tool, measurements transmitted by the seca EMR ready products can be printed quickly onto thermal paper or labels, which are then automatically separated. It also handles the automatic interpretation and analysis of results. The printer formats a graph of weight, height and BMI and compares the findings to standard ranges. The required reference values, which are on a separate memory card, can be configured easily with the seca print designer software. Other data such as the date and time format, language and the hospital or doctor’s practice logo are processed in the same way.

- Print speed: 80 mm/sec
- Functions: print-out of height, weight, BMI, resting or total energy expenditure or percentiles for children, integrated automatic cutter
- Optional: 5 or 50 rolls of thermal paper seca 485, 1 or 24 rolls of labels seca 486
- Included with printer: SD smart card, power adapter, SD card reader, 1 roll of thermal paper, 1 roll of labels

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.



Height, weight, BMI, resting energy expenditure, total energy expenditure or percentiles for children – in the layout file you can choose the information you want.

seca 465

Wireless printer for analysis and printing of transmitted measurements on thermal paper

EMR Integration

The seca 465 wireless printer is exactly the right partner for wireless measuring rods and scales by seca. Via its wireless receiver and pre-configured SD smart card, the printer receives the measurements transmitted by seca devices and analyzes the data. The printer compares height and weight to reference values as defined by WHO, CDC and Kromeyer-Hauschild et al., and ascertains percentiles for children. Resting energy expenditure and total energy expenditure based on parameters of gender, age and PAL (Physical Activity Level) are also calculated. As needed, Body Mass Index (BMI) or Body Fat Rate (BFR) can be analyzed and printed.

- Print speed: 80 mm/sec
- Functions: print-out of height, weight, BMI, resting or total energy expenditure or percentiles for children
- Optional: 5 or 50 rolls of thermal paper seca 485
- Included with printer: SD smart card, power adapter, SD card reader, 1 roll of thermal paper

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

The seca print designer software lets you integrate the logo used by the hospital/practice in the print-out. Or you can specify in which language the information should be printed.

SOFTWARE

Analyze 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 analyzing 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

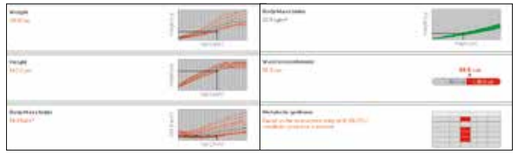
With the network-capable software seca analytics 115, optionally available with three or six workstation licenses, doctors can process measurements from EMR ready products, including seca mVSA and seca mBCA, in seven modules on the PC and thereby significantly improve the quality of the medical examination. 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)

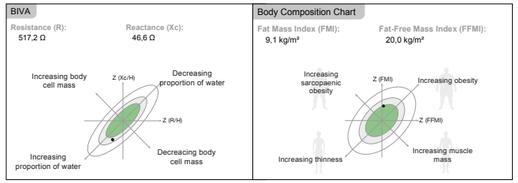
Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

One single location license free with every seca mBCA 514 and seca mBCA 525



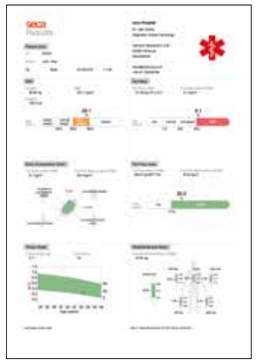
For an exact assessment of health status and nutritional condition of children, height, weight and BMI are compared to percentiles.

BMI, waist circumference and other laboratory data are used to assess the risk of coronary heart disease.



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 weight-related 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.

seca | service

For seca analytics 115:

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

EMR

Transmission
of measurements

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, EMR ready seca products and Welch Allyn Connex®.

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 value

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

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 labor-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) or Integrated Wall System

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

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

new Accessories

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:

- Software: seca emr flash 101

Compatible with all EMR systems, EMR ready seca products and Welch Allyn Connex®.

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

* The availability of the Integration Services can vary depending on the project. Please contact us to plan your integration project.

BABY SCALES

Page 10–19

seca 727

EMR ready baby scale with fine 1 g graduation.

seca 374

EMR ready baby scale with shell-shaped tray and raised LCD.

new

seca 333 i

EMR ready baby scale with Wi-Fi function.

seca 334

Digital baby scale with practical handle for mobile medical use.

optimized

seca 354

Multi-purpose, digital baby and infant scale with detachable tray forweighing in a reclining or standing position.

seca 725

Mechanical baby scale with sliding weights.

	Page 12	Page 14	Page 16	Page 17	Page 18	Page 19
TECHNICAL DATA						
Capacity	44 lbs / 20 kg	44 lbs / 20 kg	44 lbs / 20 kg	44 lbs / 20 kg	44 lbs / 20 kg	16 kg
Graduation	0.1 oz 1 g < 6 kg > 2 g	0.2 oz < 22 lbs > 0.5 oz 5 g < 10 kg > 10 g	0.2 oz / 5 g	0.2 oz < 22 lbs > 0.5 oz 5 g < 10 kg > 10 g	0.2 oz < 22 lbs > 0.5 oz 5 g < 10 kg > 10 g	10 g
Dimensions (WxHxD)	21.7 x 5.9 x 12.6" / 551 x 151 x 320 mm	24.4 x 7.5 x 14.1" / 620 x 190 x 358 mm	25.6 x 4.3 x 12.1" / 650 x 110 x 308 mm	25.1 x 4.1 x 11.8" / 638 x 105 x 300 mm	21.7 x 6.1 x 13.1" / 552 x 156 x 332 mm	550 x 180 x 290 mm
Dimensions/tray (WxHxD)	21.3 x 4.3 x 9.8" / 540 x 110 x 250 mm	24.2 x 5.1 x 10.8" 615 x 130 x 275 mm	25.4 x 1.6 x 11.4" / 645 x 40 x 290 mm	23.4 x 2 x 10" / 595 x 50 x 255 mm	20.7 x 3.1 x 9.8" / 525 x 80 x 250 mm	550 x 110 x 270 mm
Dimensions/platform (WxHxD)					11 x 2.6 x 9.3" / 280 x 65 x 235 mm	
Weight	15.7 lbs / 7.1 kg	7.9 lbs / 3.6 kg	7.7 lbs / 3.7 kg	6.2 lbs / 2.8 kg	5 lbs / 2.3 kg	6.4 kg
Power supply	Power adapter, rechargeable batteries	Batteries, power adapter optional	Power adapter, batteries	Batteries, power adapter optional	Batteries	
FUNCTIONS						
TARE	•	•	•	•	•	
BMIF		•	•	•	•	
HOLD	•		•			
Auto-HOLD	•	•	•	•	•	
Auto weighing range switch-over	•		•			
lbs/kg switch-over	•	•	•	•	•	
Damping	•	•	•			
Reset-to-zero function			•			•
Acoustic signals can be activated	•	•	•			
RESET	•	•	•			
Automatic switch-off	•	•	•	•	•	
SEND/Auto-SEND	•	•	configurable via software seca emr flash 101			
Confirm			•			
Wi-Fi			•			
PRINT/Auto-PRINT	•	•	configurable via software seca emr flash 101			
VERSION						
Battery or power supply					seca 354 m	
OPTIONAL						
Interface module	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	
Measuring rod/ measuring board		seca 233	seca 234, seca 232 n	seca 232	seca 417	
Head/foot positioner		seca 418		seca 419		
Mechanical accessories						
Power adapter		seca 400		seca 400		
Carrying case/backpack			seca 428	seca 428	seca 409, seca 414, seca 431, seca 413	
AREAS OF APPLICATION						
Mobile weighing			•	•	•	
EMR READY						
	•	•	•			

ACCESSORIES FOR BABY SCALES

new

seca 452
Interface module to transmit measurements to EMR systems.

Page 81

seca 403
Cart for mobile support with customized indentations for seca baby scales seca 727, seca 374, seca 333i, seca 334, seca 354 and seca 354m.

Page 13

seca 402
Cart for mobile support with customized indentations for seca baby scales seca 727, seca 374, seca 333i, seca 334, seca 354 and seca 354m.

Page 13

seca 233
Measuring rod for baby scale seca 374.

Page 15

new

seca 234
Digital measuring rod for baby scale seca 333i.

Page 16

new

seca 232n
Mechanical measuring rod for baby scale seca 333i.

Page 16

seca 232
Measuring rod for baby scale, accessory for seca 334.

Page 17

seca 418
Head and foot positioner for baby scale seca 374, if no measuring rod seca 233 is mounted.

Page 15

seca 419
Head positioner for baby scale seca 334, if no measuring rod seca 232 is mounted.

Page 17

seca 400
Switch-mode power adapter for baby scales seca 374 and seca 334.

Page 14

TECHNICAL DATA

Maximum load		220 lbs / 100 kg	220 lbs / 100 kg							
Measuring range				14–32" / 35–80 cm,	14–32" / 35–80 cm	14–32" / 35–80 cm	14–32" / 35–80 cm	8.1 x 5.8 x 2.7" / 205 x 148 x 69 mm	8.1 x 5.7 x 1.8" / 205 x 145 x 45 mm	1.7 x 1.4 x 2.9" / 42 x 35 x 73 mm
Graduation				1/8" / 1 mm	1 mm / 1/8"	1/8" / 1 mm	1/8" / 1 mm			
Graduation / digital display					1/8" / 1 mm / 5 mm / 10 mm (configurable)					
Dimensions (WxHxD)	3.7 x 4.4 x 1.4" / 95 x 113 x 35 mm	28.1 x 31.5 x 17.1" / 715 x 800 x 435 mm	28.1 x 31.5 x 17.1" / 715 x 800 x 435 mm	25.2 x 7 x 11.7" / 641 x 179 x 296 mm	34.5 x 3.6 x 11.7" / 877 x 92 x 297 mm	34.5 x 3.6 x 10.5" / 877 x 92 x 266 mm	25.2 x 5.7 x 10.9" / 640 x 145 x 277 mm			
Cable length										72.8" / 1.85 m
Weight	0.4 lbs / 180 g	60.6 lbs / 27.5 kg	25.4 lbs / 11.5 kg	1.5 lbs / 700 g	1.5 lbs / 1.5 kg	2.7 lbs / 1.3 kg	1.1 lbs / 512 g	0.9 lbs / 400 g	0.3 lbs / 142 g	0.3 lbs / 155 g

OPTIONAL

Paper roll holder			seca 408							

ACCESSORIES FOR BABY SCALES

seca 428
Stable and roomy carrying case for the baby scales seca 333i and seca 334.

Page 17

seca 409
Backpack to transport baby scale seca 354 together with the measuring board seca 417 or the measuring mat seca 210.

Page 18

seca 414
Case with handle and shoulder strap for electronic baby scale seca 354 in combination with seca 417 or seca 210.

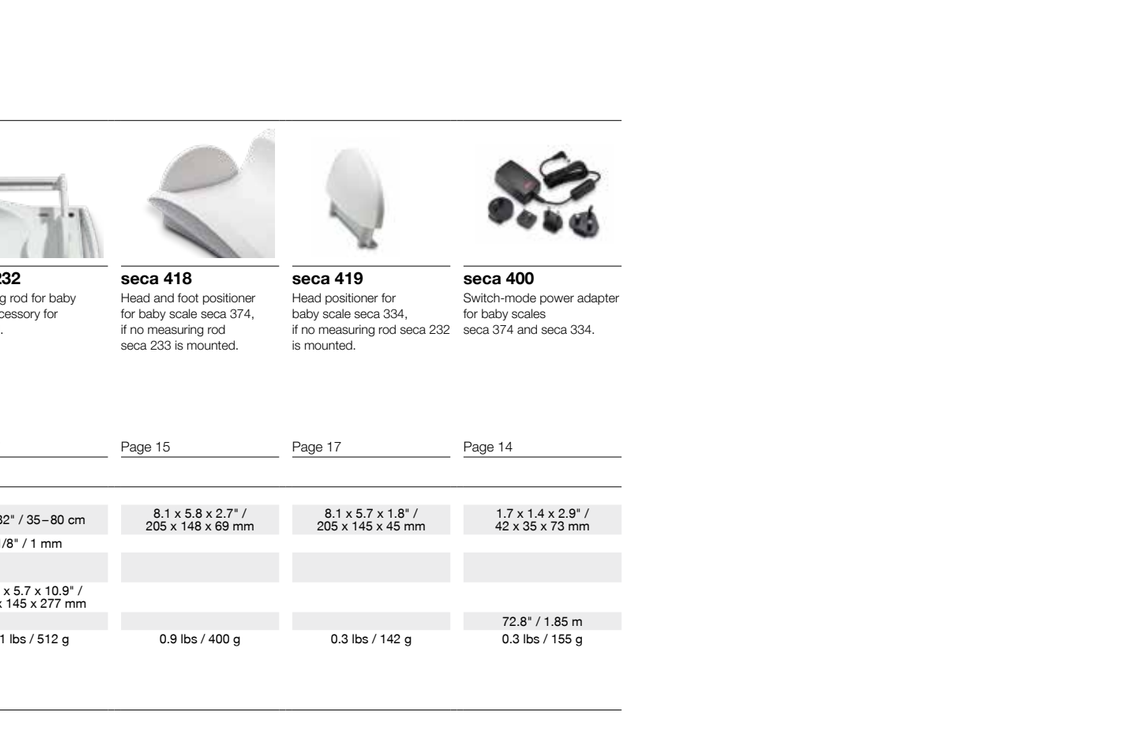
Page 18

seca 413
Carrying case for baby scale seca 354.

Page 19

TECHNICAL DATA

Maximum load				
Measuring range	24.8 x 13 x 4.3" / 630 x 330 x 110 mm	14.6 x 24.8 x 5.5" / 370 x 630 x 140 mm	24.6 x 13.8 x 8.3" / 625 x 350 x 210 mm	22.4 x 5.9 x 13" / 570 x 150 x 330 mm
Weight	2.5 lbs / 1.2 kg	3.5 lbs / 1.6 kg	6.2 lbs / 2.8 kg	1.9 lbs / 900 g



PEDIATRIC MEASURING SYSTEMS

Page 22 – 29

seca 416
Infantometer with raised sides and footpiece mounted on two rails.

Page 20

seca 417
Light and stable measuring board for mobile use.

Page 22

seca 210
Measuring mat for babies and infants.

Page 24

optimized

seca 207
Measuring rod with extra-wide measuring slides. Wall mounting possible.

Page 25

seca 212
Reusable head circum-ference measuring tape for babies and infants, made of non-stretch material. For measuring head circumference and symmetry.

Page 25

seca 218
Disposable measuring tape in practical wall dispenser.

Page 26

seca 211
Disposable measuring tape for head circum-ference in practical wall dispenser.

Seite 26

TECHNICAL DATA							
Measuring range	13 – 39" / 33 – 100 cm,	4 – 39" / 10 – 100 cm	4 – 39" / 10 – 99 cm	0 – 39" / 0 – 99 cm	1 – 23" / 3 – 59 cm	0 – 36"/ 0 – 100 cm	5 – 23" / 12 – 59 cm
Graduation	1/16" / 1 mm, 1 mm	1/16" / 1 mm, 1 mm	1/4" / 5 mm, 5 mm	1/8" / 1 mm, 1 mm	1/16" / 1 mm, 1 mm	1/8" / 1 mm	1/16" / 1 mm
Dimensions (WxHxD)	43.4 x 6.7 x 15.8" / 1,103 x 169 x 402 mm	43.7 x 4.5 x 13.1" / 1,110 x 115 x 333 mm	49.2 x 5.5 x 11.8" / 1,250 x 140 x 300 mm	41.2 x 4.7 x 11.3" / 1,047 x 120 x 286 mm	1 x 0.01 x 26.1" / 25 x 0.2 x 663 mm	0.8 x 0.01 x 47.2" / 20 x 0.2 x 1.200 mm	1 x 0.01 x 27.6" / 25 x 0.2 x 701.5 mm
Dimensions box (WxHxD)					5.5 x 5.7 x 1.2" / 140 x 145 x 30 mm	1.97 x 2.87 x 1.42" / 50 x 73 x 36 mm	1.97 x 2.87 x 1.42" / 50 x 73 x 36 mm
Dimensions when folded (WxHxD)		22.7 x 4.5 x 13.1" / 577 x 115 x 333 mm	4.7 x 5.5 x 11.8" / 120 x 140 x 300 mm				
Weight	8.3 lbs / 3.8 kg	3.5 lbs / 1.6 kg	1.3 lbs / 575 g	1.8 lbs / 810 g	0.1 lbs / 100 g (box)	0.14 oz / 4 g	0.06 oz / 1.6 g
Quantity in dispenser					15 pieces	500 (inkl. dispenser) / 1,000 pieces	500 (inkl. dispenser) / 1,000 pieces
OPTIONAL							
Carrying case/backpack		seca 409, seca 414, seca 412	seca 409, seca 414				
AREAS OF APPLICATION							
Can be mounted			•	•			
Mobile measuring		•	•		•		

ACCESSORIES FOR PEDIATRIC MEASURING SYSTEMS

seca 409
Backpack to transport baby scale seca 354 together with the measuring board seca 417 or the measuring mat seca 210.

Page 22

seca 414
Case for the measuring board seca 417 or measuring mat seca 210 together with baby scale seca 354.

Page 23

seca 412
Case for infantometer seca 417.

Page 23

seca 102
Convenient pads for recording a child's vital growth information.

Page 27

seca 406 (b/g)
Growth charts for boys (blue) and girls (pink) for tracking lenght/ height, weight, head circumference and Body-Mass-Index percentiles by age.

Page 27

seca 405 (b/g)
seca 407 (b/g)
Recommended for breast fed infants based on WHO (World Health Organization) standards. Covers up to 24 months.

Page 27

TECHNICAL DATA						
Dimensions (WxHxD)	14.6 x 24.8 x 5.5" / 370 x 630 x 140 mm	24.6 x 13.8 x 8.3" / 625 x 350 x 210 mm	27 x 16.8 x 2.2" / 686 x 427 x 56 mm	4 1/4 x 5 1/2"	8 1/2 x 11"	8 1/2 x 11"
Weight	3.5 lbs / 1.6 kg	6.2 lbs / 2.8 kg	1.4 lbs / 650 g			
				Five 100-page pads per pack	100 sheets per pad	100 sheets per pad

MEDICAL BODY COMPOSITION ANALYZERS

Page 28–31

CE 0123

seca mBCA 514

Medical Body Composition Analyzer for determining body composition while standing.

CE 0123

seca mBCA 525

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

	Page 30	Page 31
GENERAL		
Dimensions (WxHxD)	38.4 x 49.3 x 32.6" / 976 x 1,251 x 828 mm	9.9 x 10.3 x 9.1" / 252 x 262 x 230 mm
Capacity	660 lbs / 300 kg	
Graduation	0.1 lbs < 330 lbs > 0.2 lbs / 50 g < 150 kg > 100 g	
Weight	79.4 lbs / 36 kg	6.6 lbs / 3 kg
Display	8.4" touchscreen display, can be rotated 360°	7" touchscreen display
Power supply	power adapter	power adapter, rechargeable battery
Interfaces	seca 360° wireless technology, USB 2.0, Ethernet	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 IMPEDANCE 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 SCALE		
Capacity	Weighing range 1 = 330 lbs / 150 kg Weighing range 2 = 660 lbs / 300 kg	
Fine graduation	Weighing range 1 = 110 lbs / 50 g Weighing range 2 = 220 lbs / 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

ACCESSORIES FOR MEDICAL BODY COMPOSITION ANALYZERS

seca 475

Rolling stand with basket for the mobile use of the seca mBCA 525.

seca 432

Carrying case for seca mBCA 525.

	Page 31	Page 31
TECHNICAL DATA		
Dimensions (WxHxD)	23.6 x 23.6" / 600 x 600 mm (WxD), Height adjustable from 27.4–46.6" / 695–1,185 mm	16.1 x 12.2 x 11.6" / 410 x 310 x 295 mm
Weight	23.2 lbs / 10.5 kg	2.1 lbs / 950 g

SOFTWARE

CE

seca analytics 115

Medical PC software for diagnostic assistance.

	Page 80
TECHNICAL DATA	
Dimensions (WxHxD)	5.4 x 7.6 x 0.3" / 137 x 192 x 7 mm
Weight	0.2 lbs / 78 g
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)
EMR READY	•

MEASURING STATIONS AND COLUMN SCALES

Page 32–45

optimized

seca 286 dp

EMR ready ultrasonic measuring station for height and weight with voice guidance.

Page 34

seca 284 dp

EMR ready measuring station for height and weight with multi-function touch display and 0.1 pounds graduation.

Page 36

seca 763

Combined high-capacity electronic measuring station consisting of scale, measuring rod and BMI calculator.

Page 38

seca 703

EMR ready column scale with very high capacity and large platform, with BMI function.

Page 40

optimized

seca 703 s

EMR ready column scale with integrated measuring rod.

Page 42

seca 769

Electronic column scale with BMI function, low maintenance, easy to transport.

Page 43

seca 700

Mechanical column scale with eye-level beam.

Page 44

seca 755

Mechanical column scale with large dial and automatic display of the BMI range in lbs or kg version.

Page 45

TECHNICAL DATA

Capacity	660 lbs / 300 kg	660 lbs / 300 kg	550 lbs / 250 kg	660 lbs / 300 kg	660 lbs / 300 kg	450 lbs / 200 kg	500 lbs, 220 kg or 400 lbs / 160 kg	350 lbs /160 kg, 160 kg
Graduation	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs < 330 lbs > 0.2 lbs 50 g < 150 kg > 100 g	0.1 lbs < 330 lbs > 0.2 lbs 50 g < 150 kg > 100 g	0.2 lbs /100 g	1/8 lbs, 50 g or 1/4 lbs / 100 g	1 lbs / 500 g, 500 g
Measuring range measuring rod	1 ft 12–6 ft 10" / 60–210 cm	11–7 ft 2" / 30–220 cm	43–79" / 110–200 cm		3–90" / 6–230 cm			
Graduation measuring rod	0.05" / 1 mm	0.05" / 1 mm	0.05" / 1 mm		0.05"/ 1 mm			
Dimensions (WxHxD)	17.1 x 89.4 x 18.3"/ 434 x 2,270 x 466 mm	17.1 x 94.3 x 18.3"/ 434 x 2,394 x 466 mm	14.2 x 84.6 x 27.2" / 360 x 2,150 x 690 mm	14.2 x 36.6 x 20.5" / 360 x 930 x 520 mm	14.2 x 94.1 x 20.5" / 360 x 2,390 x 520 mm	11.6 x 32.7 x 16.4" / 294 x 831 x 417 mm	20.5 x 61.3 x 20.5" / 520 x 1,556 x 520 mm	14.2 x 39.4 x 24.7" / 360 x 1,000 x 628 mm
Dimensions/platform (WxHxD)	16.9 x 2.4 x 14.4" / 430 x 60 x 365 mm	16.9 x 2.4 x 14.4" / 430 x 60 x 365 mm	13.2 x 3.1 x 13.6" / 335 x 80 x 345 mm	13.2 x 3.1 x 13.6" / 335 x 80 x 345 mm	13.2 x 3.1 x 13.6" / 335 x 80 x 345 mm	10.7 x 3 x 11" / 272 x 75 x 280 mm	13.2 x 3.1 x 13.6" / 335 x 80 x 345 mm	13.2 x 3.1 x 13.6" / 335 x 80 x 345 mm
Weight	36.5 lbs / 16.5 kg	35.3 lbs / 16 kg	36.8 lbs / 16.7 kg	33.5 lbs / 15.2 kg	38.8 lbs / 17.6 kg	13.7 lbs / 6.2 kg	35.7 lbs / 16.2 kg	39.9 lbs / 18.1 kg
Power supply	Power adapter	Batteries, power adapter	Power adapter	Batteries, power adapter optional	Batteries, power adapter optional	Batteries, power adapter optional		

FUNCTIONS / ACCESSORIES

TARE			•	•	•	•		
Pre-TARE	•	•		•	•			
Mother/child function	•	•		•	•			
HOLD	•	•	•	•	•	•		
Auto-HOLD	•	•		•	•			
BMI				•	•	•		•
Auto-BMI	•	•	•					
BFR	•	•						
Patient data input	•	•						
CLEAR	•	•						
Auto-CLEAR	•	•		•	•			
lbs/kg switch-over	•	•	•	•	•	•		
inch/cm switch-over	•	•	•					
Damping	•	•		•	•			
User-defined zero setting	•	•						
Reset-to-zero function							•	•
Backlighting	•	•						
Acoustic signals can be activated	•	•		•	•			
RESET	•	•		•	•			
Calibration/ automatic calibration	•	•						
Automatic switch-off				•	•	•		
SEND/Auto-SEND	•	•		•	•			
PRINT/Auto-PRINT	•	•		•	•			
Integrated measuring rod	•	•	•	seca 220		seca 220	seca 220	
Transport castors	•	•	•	•	•	•	•	•

VERSION

seca directprint	seca 286 dp	seca 284 dp						

OPTIONAL

Interface module	seca 452, seca 456	seca 452, seca 456		seca 452, seca 456	seca 452, seca 456			
Printer holder	seca 481 (for seca 465), seca 482 (for seca 466)	seca 481 (for seca 465), seca 482 (for seca 466)						
RS232 interface			seca 460					
Measuring rod				seca 224		seca 224		seca 224
Head positioner					seca 430			
Power adapter				seca 400	seca 400	seca 400		

EMR READY

	•	•		•	•			

FLAT SCALES

Page 46–55

	seca 634 EMR ready scale for heavy persons with large step on surface, cable-link remote control and high load-bearing capacity. Page 48	**seca 869** Robust flat scale with cable remote display, BMI, HOLD and TARE for mobile use. Page 49	**seca 874** Digital flat scale for mobile use with push buttons and double display. Page 50	**seca 876** Robust, very light flat scale with integrated display, tip-on automatic switch-on and mother/child function for mobile use. Page 52	**seca 874 dr** Doctor's scale with customizable label. Page 53	**seca 813** Digital flat scale with very high bearing capacity of up to 440 pounds. Page 54	**seca 803** Digital flat scale for individual patient use. Page 54	**seca 762** Mechanical flat scale with large dial and fine 1 pound graduation. Page 55	**seca 750** Mechanical flat scale with robust, powder-coated steel casing. lbs/kg and lbs version available. Page 55
TECHNICAL DATA									
Capacity	800 lbs / 360 kg	550 lbs / 250 kg	440 lbs / 200 kg	550 lbs / 250 kg	440 lbs / 200 kg	440 lbs / 200 kg	330 lbs / 150 kg	320 lbs, 150 kg, 320 lbs / 150 kg	320 lbs, 150 kg, 320 lbs /150 kg
Graduation	0.1 lbs / 50 g	0.2 lbs < 330 lbs > 0.5 lbs 100 g < 150 kg > 200 g	0.1 lbs < 330 lbs > 0.2 lbs 50 g < 150 kg > 100 g	0.2 lbs < 330 lbs > 0.5 lbs 100 g < 150 kg > 200 g	0.1 lbs < 330 lbs > 0.2 lbs 50 g < 150 kg > 100 g	0.2 lbs / 100 g	0.2 lbs / 100 g	1 lbs, 500 g, 1 lbs / 500 g	1 lbs, 1 kg, 1 lbs / 1 kg
Dimensions (WxHxD)	25.2 x 2.1 x 23.6" / 640 x 53 x 600 mm	12.6 x 2.4 x 14" / 321 x 60 x 356 mm	12.6 x 2.4 x 14.2" / 321 x 60 x 361 mm	12.6 x 2.4 x 14" / 321 x 60 x 356 mm	12.6 x 2.4 x 14.2" / 321 x 60 x 361 mm	17 x 1.9 x 14.7" / 433 x 47 x 373 mm	12.4 x 1.5 x 12.8" / 316 x 37 x 326 mm	12 x 4.7 x 18.5" / 305 x 120 x 470 mm	12.5 x 4.6 x 18.8" / 317 x 117 x 477 mm
Dimensions/platform (WxHxD)	22 x 2.2 x 22" / 560 x 55 x 560 mm	11 x 2.4 x 10.9" / 280 x 60 x 278 mm	11.3 x 2.4 x 11" / 288 x 60 x 280 mm	11.3 x 2.4 x 10.9" / 288 x 60 x 278 mm	11.3 x 2.4 x 11" / 288 x 60 x 280 mm	15.7 x 1.8 x 11.8" / 400 x 45 x 300 mm	11.6 x 1.4 x 12" / 295 x 35 x 305 mm	10.2 x 2.8 x 10.4" / 260 x 70 x 265 mm	11.4 x 2.8 x 11.4" / 290 x 70 x 290 mm
Cable length	98.4" / 2.5 m	78.7" / 2 m							
Weight	31.7 lbs / 14.4 kg	9.9 lbs / 4.5 kg	9 lbs / 4.1 kg	9.3 lbs / 4.2 kg	9 lbs / 4.1 kg	6.3 lbs / 2.9 kg	3.3 lbs / 1.5 kg	7.7 lbs / 3.5 kg	7.7 lbs / 3.5 kg
Power supply	Batteries, power adapter optional	Batteries, power adapter optional	Batteries	Batteries	Batteries	Batteries	Batteries		
FUNCTIONS									
TARE	•	•							
Pre-TARE	•								
Mother/child function			•	•	•				
HOLD	•	•							
Auto-HOLD	•		•		•	•	•		
Step-off						•			
BMI	•	•							
lbs/kg switch-over	•	•	•	•	•	•	•		
Auto-CLEAR	•								
Damping	•								
Reset-to-zero function								•	•
Tip-on automatic switch-on				•		•	•		
RESET	•								
Automatic switch-off	•	•	•	•	•	•	•		
SEND/Auto-SEND	•								
PRINT/Auto-PRINT	•								
OPTIONAL									
Interface module	seca 452, seca 456								
Measuring rod		seca 217	seca 217	seca 217					
Stand for cable remote display	seca 472								
Adapter element		seca 437	seca 437	seca 437					
Power adapter	seca 400	seca 400			seca 400				
PC interface cable									
Carrying case		seca 409, seca 414, seca 421	seca 409, seca 414, seca 415	seca 409, seca 414, seca 415			seca 415		
Individualizable label					seca 478				
AREAS OF APPLICATION									
Mobile weighing		•	•	•					
EMR READY									
	•								

ACCESSORIES FOR MEASURING STATIONS, COLUMN SCALES AND FLAT SCALES

new

CE 0123

seca 452
Interface module to transmit measurements to EMR systems.

Page 42

optimized

seca 224
Telescopic measuring rod for seca column scales.

Page 51

optimized

seca 220
Telescopic measuring rod for seca column scales.

Page 52

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

Page 57

seca 437
Adapter element for the flat scales seca 869, seca 874 and seca 876 in combination with stadiometer seca 217.

Page 57

seca 460
RS232 interface for transmitting data to the serial interface of a PC or printer for seca 763.

Page 39

seca 400
Switch-mode power adapter for column and flat scales seca 703, seca 703 s, seca 769, seca 634, seca 869 and seca 874 dr.

Page 49

seca 409
Backpack to transport the flat scales seca 869, seca 874, and seca 876 together with the stadiometer seca 217 and the adapter element seca 437.

Page 57

seca 414
Case for the flat scale seca 869, seca 874 or seca 876 together with stadiometer seca 217 and adapter element seca 437.

Page 57

seca 421
Stable and roomy carrying case for the flat scale seca 869.

Page 57

seca 415
Carrying case for the flat scales seca 874, seca 876 and seca 803.

Page 61

seca 478
Customizable label for doctor scale 874 dr.

Page 60

TECHNICAL DATA												
Measuring range		24–78" / 60–200 cm	max. 78" / 200 cm									
Graduation		1/8" / 1 mm	1/8" / 1 mm									
Dimensions (WxHxD)	3.7 x 4.4 x 1.4" / 95 x 113 x 35 mm	2.2 x 79.5 x 11.3" / 57 x 2,020 x 286 mm	2.2 x 58.3 x 11.3" / 57 x 1,480 x 286 mm	18.1 x 40.7 x 18.1" / 460 x 1,035 x 460 mm	13.1 x 3.4 x 12.2" / 333 x 86 x 310 mm	3.9 x 1 x 2.4" / 100 x 25 x 60 mm	1.7 x 1.4 x 2.9" / 42 x 35 x 73 mm	14.6 x 24.8 x 5.5" / 370 x 630 x 140 mm	24.6 x 13.8 x 8.3" / 625 x 350 x 210 mm	16.9 x 13.8 x 5.1" / 430 x 350 x 130 mm	13 x 15 x 2.8" / 330 x 380 x 70 mm	13 x 15 x 2.8" / 330 x 380 x 70 mm
Cable length						11.8 + 47.2" / 0.3 m + 1.2 m	72.8" / 1.85 m					
Weight	0.4 lbs / 180 g	3.1 lbs / 1.4 kg	1.5 lbs / 700 g	17.2 lbs / 7.8 kg	1.3 lbs / 600 g	0.3 lbs / 122 g	0.3 lbs / 155 g	3.5 lbs / 1.6 kg	6.2 lbs / 2.8 kg	1.8 lbs / 810 g	1.8 lbs / 800 g	1.8 lbs / 800 g
OPTIONAL												
Head positioner		seca 430	seca 430									

HEIGHT MEASURING SYSTEMS

Page 56–63

CE 0123

seca 274

EMR ready stadiometer, free standing with seca Frankfurt Line and heel positioner for precise measurements.

Page 58

CE 0123

seca 264

EMR ready stadiometer for wall mounting with easy-to-clean floor mat.

Page 59

CE 0123

seca 217

Stand-alone stadiometer or height measurement, with spacer, consisting of parts that fit together perfectly for ease of transport.

Page 60

CE 0123

seca 213

Stand-alone stadiometer for height measurement, easily assembled for convenient transport.

Page 61

CE 0123

optimized

seca 222

Telescopic measuring rod for the wall with extra wide measuring slides and heel stop.

Page 61

CE 0123

seca 216

Mechanical stadiometer. Head piece with locking screw for accuracy.

Page 62

CE 0123

seca 206

Roll-up measuring tape with wall attachment.

Page 62

CE 0123

seca 203

Ergonomic, smoothly extractable circumference measuring tape with WHR calculator to determine body fat distribution.

Page 63

CE 0123

seca 201

Ergonomic, smoothly extractable measuring tape for determining body circumference.

Page 63

TECHNICAL DATA

Measuring range	11–7 ft 2" / 30–220 cm	11–7 ft 2"/ 30–220 cm	8–6 ft 9" / 20–205 cm	8–6 ft 9" / 20–205 cm	2–90° / 6–230 cm	max. 55.3" / 138 cm selectable from 1.4–90° / 3.5–230 cm	0–87°, 0–220 cm	0 – 80°, 0 – 205 cm	0 – 80°, 0 – 205 cm
Graduation	1/8" / 1 mm	1/8" / 1 mm	1/8" / 1 mm	1/8" / 1 mm	1/8" / 1 mm	1/16" / 1 mm	1/8", 1 mm	1/8", 1 mm	1/8", 1 mm
Dimensions (WxHxD)	17.1 x 94.3 x 18.3" / 434 x 2,394 x 466 mm	16.9 x 91.3 x 18.7" / 428 x 2,318 x 474 mm	12.9 x 84.4 x 22.6" / 328 x 2,145 x 574 mm	13.3 x 83.9 x 23.2" / 337 x 2,165 x 590 mm	12.1 x 91.3 x 11.3" / 308 x 2,320 x 286 mm	4.7 x 59.1 x 8.5" / 120 x 1,500 x 217 mm	4.9 x 4.9 x 6.8" / 125 x 125 x 173 mm	2.8 x 1.1 x 2.6" / 70 x 28 x 66 mm	2.8 x 0.9 x 2.6" / 70 x 22 x 65 mm
Dimensions/platform (WxHxD)	16.9 x 2.4 x 14.4" / 430 x 60 x 365 mm	16.9 x 0.1 x 14.6" / 430 x 3 x 370 mm							
Dimensions when folded (WxHxD)				13.3 x 7 x 24.6" / 337 x 177 x 624 mm	12.1 x 52 x 11.3" / 308 x 1,320 x 286 mm				
Weight	33.1 lbs / 15 kg	11 lbs / 5 kg	7.9 lbs / 3.6 kg	5.3 lbs / 2.4 kg	2.4 lbs / 1.1 kg	3.7 lbs / 1.7 kg	0.4 lbs / 202 g	0.2 lbs / 70 g	0.1 lbs / 50 g
Power supply	Batteries	Batteries							

FUNCTIONS

HOLD	•	•							
WHR calculator								•	
inch/cm switch-over	•	•							
User-defined zero setting	•	•							
Backlighting	•	•							
Acoustic signals can be activated	•	•							
RESET	•	•							
Calibration/ automatic calibration	•	•							
Automatic switch-off	•	•							
SEND/Auto-SEND	•	•							
PRINT/Auto-PRINT	•	•							

OPTIONAL

Interface module	seca 456	seca 456							
Wireless printer	seca 466, seca 465	seca 466, seca 465							
Head positioner					seca 430				
Adapter element			seca 437						
Carrying case			seca 409, seca 414, seca 412	seca 412					

AREAS OF APPLICATION

Can be mounted		•			•	•	•		
Mobile measuring			•	•				•	•

EMR READY

	•	•							

ACCESSORIES FOR HEIGHT MEASURING SYSTEMS

seca 437

Adapter element for stadiometer seca 217 in combination with flat scales seca 869, seca 874 and seca 876.

Page 60

seca 409

Backpack to transport the flat scales seca 876, seca 874 and seca 869 together with the stadiometer seca 217 and the adapter element seca 437.

Page 60

seca 414

Case for stadiometer seca 217 together with flat scale seca 876, seca 874 or seca 869 and adapter element seca 437.

Page 60

seca 412

Case for mobile stadiometer seca 217 and seca 213.

Page 60

TECHNICAL DATA

Dimensions (WxHxD)	13.1 x 3.4 x 12.2" / 333 x 86 x 310 mm	14.6 x 24.8 x 5.5" / 370 x 630 x 140 mm	24.6 x 13.8 x 8.3" / 625 x 350 x 210 mm	27 x 16.8 x 2.2" / 686 x 427 x 56 mm
Weight	1.3 lbs / 600 g	3.5 lbs / 1.6 kg	6.2 lbs / 2.8 kg	1.4 lbs / 650 g

MULTIFUNCTIONAL AND WHEELCHAIR SCALES

Page 64–71

seca 644
Large EMR ready standing aid scale for multifunctional use with fixed rail, high capacity, BMI function and time module.

Page 66

seca 684
EMR ready multifunctional scale with stable handrail and high load bearing capacity, with castors for transport ease.

Page 67

seca 676
EMR ready wheelchair scale with handrail and transport castors.

Page 68

seca 664
EMR ready digital wheelchair scale with high capacity, collapsible, wheels for transport and integrated time module.

Page 69

seca 656
EMR ready digital platform scale with innovative memory function.

Page 70

seca 674
Digital platform scale with high capacity and wheels for transport.

Page 71

TECHNICAL DATA						
Capacity	800 lbs / 360 kg	800 lbs /360 kg	800 lbs / 360 kg	800 lbs / 360 kg	800 lbs / 360 kg	800 lbs / 360 kg
Graduation	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs / 50 g	0.1 lbs / 50 g
Dimensions (WxHxD)	25.2 x 45.3 x 26" / 640 x 1,150 x 660 mm	35.8 x 43.3 x 41.9" / 910 x 1,100 x 1,064 mm	36.2 x 44.1 x 45.3" / 920 x 1,120 x 1,150 mm	43.4 x 35.9 x 45.3" / 1,102 x 912 x 1,150 mm	35.2 x 3.4 x 65.2" / 893 x 87 x 1,655 mm	35.6 x 2.8 x 41.9" / 904 x 70 x 1,064 mm
Dimensions/platform (WxHxD)	23.6 x 2.2 x 23.6" / 600 x 55 x 600 mm	31.5 x 2.2 x 33.1" / 800 x 55 x 840 mm	31.5 x 2.2 x 38" / 800 x 55 x 965 mm	31.5 x 2.2 x 38" / 800 x 55 x 965 mm	31.5 x 2.2 x 57.7" / 800 x 55 x 1,465 mm	31.5 x 2.2 x 38" / 800 x 55 x 965 mm
Weight	55.9 lbs / 25.4 kg	131.2 lbs / 59.5 kg	83.8 lbs / 38 kg	73.6 lbs / 33.4 kg	101.9 lbs / 46.2 kg	59.5 lbs / 27 kg
Power supply	Power adapter, rechargeable batteries	Power adapter	Power adapter	Power adapter, rechargeable batteries	Power adapter	Power adapter

FUNCTIONS/ACCESSORIES						
TARE/pre-TARE	•	•	•	•	•	•
HOLD	•	•	•	•	•	•
Auto-HOLD	•	•	•	•	•	•
BMI	•	•	•	•	•	•
Auto-CLEAR	•	•	•	•	•	
lbs/kg switch-over	•	•	•	•	•	•
Damping	•	•	•	•	•	•
RESET	•	•	•	•	•	•
Automatic switch-off	•			•		
SEND/Auto-SEND	•	•	•	•	•	
PRINT/Auto-PRINT	•	•	•	•	•	
Transport castors	•	•	•	•	•	•
Ramp		1 x integrated	2 x integrated	2 x integrated	2 x integrated	1 x integrated
OPTIONAL						
Interface module	seca 452, seca 456	seca 452, seca 456	seca 452, seca 456	seca 452, seca 456	seca 452, seca 456	
Mechanical accessories	Measuring rod seca 223				Stand for cable remote display seca 472	Stand for cable remote display seca 472, additional ramp seca 470
EMR READY						
	•	•	•	•	•	

ACCESSORIES FOR MULTIFUNCTIONAL AND WHEELCHAIR SCALES AND BED AND DIALYSIS SCALE

new

seca 452
Interface module to transmit measurements to EMR systems.

Page 66

optimized

seca 223
Telescopic measuring rod for the seca 644 handrail scale.

Page 66

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

Page 71

seca 470
Drive-up ramp as accessory for seca 674.

Page 71

seca 460
RS232 interface for transmitting data to PC and/or printer for seca 984.

Page 75

TECHNICAL DATA					
Measuring range		2–90" / 6–230 cm			
Graduation		1/8" / 1 mm			
Dimensions (WxHxD)	3.7 x 4.4 x 1.4" / 95 x 113 x 35 mm	2.2 x 91.3 x 11.3" / 57 x 2,320 x 286 mm	18.1 x 40.7 x 18.1" / 460 x 1,035 x 460 mm	31.9 x 1.4 x 9.8" / 810 x 35 x 250 mm	3.9 x 1 x 2.4" / 100 x 25 x 60 mm
Cable length					11.8 + 47.2" / 0.3 m + 1.2 m
Weight	0.4 lbs / 180 g	2.1 lbs / 952 g	17.2 lbs / 7.8 kg	4.3 lbs / 2 kg	0.3 lbs / 122 g

CHAIR SCALES

Page 72–73

seca 954
Wireless chair scale with four wheels, swivelling arm rests and fold-up footrests.

Page 72

seca 952
Digital chair scale with fold up armrests and footrests.

Page 73

TECHNICAL DATA		
Capacity	660 lbs / 300 kg	440 lbs / 200 kg
Graduation	0.1 lbs < 330 lbs > 0.2 lbs 50 g < 150 kg > 100 g	0.2 lbs / 100 g
Dimensions (WxHxD)	22.17 x 35.31 x 38.5" / 563 x 897 x 978 mm	22.17 x 35.31 x 37.64" / 563 x 897 x 956 mm
Weight	54 lbs / 24.5 kg	49.4 lbs / 22.4 kg
Power supply	Power adapter, rechargeable batteries	Batteries

FUNCTIONS		
TARE	•	•
Pre-TARE	•	
HOLD	•	
Auto-HOLD	•	•
BMI	•	
Auto-CLEAR		
lbs/kg switch-over	•	•
Damping	•	
RESET	•	
Automatic switch-off	•	•
SEND/Auto-SEND	•	
PRINT/Auto-PRINT	•	
EMR READY		
	•	
OPTIONAL		
Interface module	seca 456	

BED AND DIALYSIS SCALE

seca 984
Digital bed and dialysis scale with integrated mechanical lifters and equipment trolley.

Page 74

TECHNICAL DATA	
Capacity	1,100 lbs / 500 kg
Max. patient weight	551 lbs / 250 kg
Graduation	0.2 lbs < 440 lbs > 0.5 lbs 100 g < 200 kg > 200 g
Dimensions/cart (WxHxD)	20.5 x 36.5 x 22.1" / 520 x 927 x 562 mm
Dimensions/load cells (WxHxD)	12.9 x 5.9 x 8.3" / 328 x 150 x 212 mm
Weight	56.4 lbs / 25,6 kg (load cells)
Power supply	Power adapter, rechargeable batteries

FUNCTIONS	
TARE/Pre-TARE	•
HOLD	•
BMI	•
Lower limit value	•
lbs/kg switch-over	•
Damping	•
OPTIONAL	
RS232 interface	seca 460

ORGAN AND DIAPER SCALE

seca 856
Organ and diaper scale with protected electronics for precise determination of net weight.

Page 76

TECHNICAL DATA	
Capacity	11 lbs / 5 kg
Graduation	0.05 oz < 6.6 lbs > 0.1 oz 1 g < 3 kg > 2 g
Dimensions (WxHxD)	10.4 x 2.1 x 10.4" / 265 x 53 x 265 mm
Dimensions/scale platform (WxHxD)	9.3 x 0.2 x 6.7" / 235 x 5 x 170 mm
Weight	4.2 lbs / 1.9 kg
Power supply	Batteries
FUNCTIONS	
TARE/Pre-TARE	•
HOLD	•
lbs/kg switch-over	•
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 77

TECHNICAL DATA	
Capacity	6.6 lbs / 3 kg
Graduation	0.05 oz / 1 g
Dimensions (WxHxD)	8.3 x 5.5 x 8.3" / 210 x 140 x 210 mm
Dimensions/scale platform (WxHxD)	5.5 x 2.1 x 5.5" / 140 x 53 x 140 mm
Weight	1.6 lbs / 710 g
Power supply	Batteries
FUNCTIONS	
TARE	•
lbs/kg switch-over	•
Automatic switch-off	•

WIRELESS PRINTERS

Page 78–79

seca 466
Wireless printer advanced for reception, analysis and printing of measurements on thermal paper or labels, with integrated automatic cutter.

Page 78

seca 465
Wireless printer for reception, analysis and printing of measurements on thermal paper.

Page 79

TECHNICAL DATA		
Dimensions (WxHxD)	4.2 x 4.1 x 7.1" / 106 x 105 x 180 mm	4.2 x 4.6 x 6.7" / 106 x 116,5 x 170 mm
Weight	2.2 lbs / 1 kg	1.8 lbs / 800 g
Power supply	Power adapter	Power adapter
Data transmission	seca 360° wireless technology	seca 360° wireless technology
Print speed	80 mm/sec	80 mm/sec
Print width	48 mm	48 mm
FUNCTIONS/ACCESSORIES		
Print-out	Height, weight, BMI, resting or total energy expenditure or percentiles for children	Height, weight, BMI, resting or total energy expenditure or percentiles for children
Integrated automatic cutter	•	
OPTIONAL		
Thermal paper seca 485	5 or 50 rolls	5 or 50 rolls
Labels seca 486	1 or 24 rolls	
EMR READY		
	•	•
INCLUDED WITH PRINTER		
SD smart card	•	•
Power adapter	•	•
SD card reader	•	•
1 roll of thermal paper	•	•
1 roll of labels	•	

ACCESSORIES FOR WIRELESS PRINTERS

seca 485
Thermal paper rolls for wireless printers seca 466 and seca 465.

Page 78

seca 486
Roll of labels for wireless printer seca 466.

Page 78

TECHNICAL DATA		
Dimensions (WxHxD)	2.2 x 2.3 x 2.3" / 57 x 59 x 59 mm	2.3 x 2.5 x 2.5" / 58 x 64 x 64 mm
Weight	0.3 lbs / 140 g	0.3 lbs / 140 g
Packaging unit	5 or 50 rolls	1 or 24 rolls

SOFTWARE

Page 78–80

seca analytics 115
Medical PC software for diagnostic assistance.

Page 80

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

Page 82

TECHNICAL DATA		
Dimensions (WxHxD)	5.4 x 7.6 x 0.3" 137 x 192 x 7 mm	
Weight	0.2 lbs / 78 g	
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	Windows® 10, Windows® 8.1, Windows® 8, Windows® 7 (SP1) and Windows® Vista (SP1, SP2)
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)	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)	
EMR READY		
	•	•

ACCESSORIES FOR SOFTWARE

seca 452
Interface module to transmit measurements to EMR systems.

Page 83

seca 456
USB adapter for data reception on PC.

Page 83

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

Page 83

TECHNICAL DATA			
Dimensions	3.7 x 4.4 x 1.4" / 95 x 113 x 35 mm	3.3 x 0.9 x 0.4" / 85 x 23 x 10 mm	3.3 x 0.9 x 0.4" / 85 x 23 x 10 mm
Weight	0.4 lbs / 180 g	0.026 lbs / 12 g	0.026 lbs / 12 g
SYSTEM REQUIREMENTS			
Processor	1.2 GHz or higher		
Hard Disk Space	minimum 1 GB		
Memory	minimum 512 MB RAM		
Additional HW			
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			
Software	seca emr flash 101	seca emr flash 101 or seca analytics 115	seca emr flash 101 or seca analytics 115
EMR READY			
	•	•	•

seca technical terms – a brief explanation.

Measuring systems and scales:

TARE function
Useful when any additional weight (e.g. diapers or blankets of babies/small children and also chairs or wheelchairs) is not to be included in the result. First, this additional weight is measured and then the display is reset to zero. The weight of this object is then disregarded at the next weighing.

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.

BMIF – Breast-Milk-Intake-Function
The amount of milk taken by a baby when being breastfed can be ascertained with the aid of the Breast-Milk-Intake-Function. 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/child-function
This function was developed to enable the weighing of children in the arms of their parents. When the mother/child-function is activated, the previously stored weight of the adult is deducted from the currently determined value. The display then shows only the weight of the child, with an accuracy of down to 50 g.

HOLD, Auto-HOLD
Once the weight has been saved with a press of the HOLD key, it remains in the display after the patient has left the scale. This function lets the doctor or nurse care for the patient first and then record the weight. When the Auto-HOLD function is activated, the HOLD function is automatically triggered as soon as the weight has stabilized.

Step-off function
This is the function which makes it possible to weigh oneself without first switching the scales on. Simply stand on the platform briefly, wait for the “Step-off” instruction, then stand comfortably next to the scale and read off the values. Ideal, especially for pregnant women and people of larger girth.

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.

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

Patient data input
Data such as gender, age and PAL (Physical Activity Level) can be entered via the input key on the multi-function touch display of the seca 284. Together with the height and weight measurements, the data are wirelessly transmitted to the seca wireless printer, where they are used 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
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 wireless printer, 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-, Auto-PRINT-Funktion
With the PRINT function the measurements and input data are wirelessly transmitted to a seca wireless printer, where they are processed and printed. When the Auto-PRINT function is activated, the PRINT function is automatically triggered when the weight on the scale has stabilized or height measurements have been confirmed.

The seca mBCA:

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

BIA
Bioelectrical Impedance Analysis: a method of analyzing body composition. This involves measuring the resistance of the body and its parts to a weak alternating electrical current.

FM
Fat Mass: the fat mass defines the amount of body fat in lbs as an absolute mass and in % as the relative proportion of the body weight.

FFM
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.

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.

SMM
Skeletal Muscle Mass: this includes all the muscles that are attached to the skeleton or – by extension – used to move the body.

TBW
Total Body Water: the sum of the fluids outside and inside the cells of the body, not including the substances dissolved therein.

ECW
Extracellular Water: all fluids found outside the cells in the human body.

ICW
Intracellular Water: all fluids found inside the cells in the human body.

REE
The amount of energy that the body needs per day of complete rest, at room temperature and with an empty stomach, in order to keep the bodily functions working.

TEE
Total Energy Expenditure: the total energy expenditure consists of the resting energy expenditure and the energy expended for everything the body does (muscle work, mental work, other body exertions).

HYD
Hydration: the ratio of extracellular water to intracellular water.

Impedance (Z), Phase angle (φ), Resistance (R), Reactance (Xc)
These represent the raw data from the bioelectrical impedance analysis that can be used for medical studies. This includes the impedance, the phase angle and the two impedances, resistance and reactance.

BMI
Body Mass Index: the unit of measurement for the analysis of body weight in relation to a person’s height, calculated using the formula (weight in lbs/height in zoll)².

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

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

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

HL7, GDT
These are recognized data formats needed by most EMR systems to process patient data.

We reserve the right to make modifications.

CE 0123

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

- 93/42/EEC on medical devices

ISO 9001 ISO 13485

The professionalism of seca is also officially recognized. The notified body for medical devices responsible for seca confirms with the certificate that seca consistently complies with the strict legal requirements as a manufacturer of medical devices. The quality assurance system at seca includes the areas of Design and Development, Production, Sales and Service of medical scales, height measuring instruments, software and measurement systems for the assessment of health status and nutritional condition. seca is authorized to conduct the manufacturer’s conformity assessment of medical scales.

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

OUR PRODUCTS AND ART

See the world through our eyes.

▸ Push the boundaries, reinvent the world and never be satisfied. That's the way artists have thought since art began and the way we have thought since seca was founded. That was and is precisely why art has grown into an important source of inspiration over our 177 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.