Catalog 2014 medical international

Medical Measuring Systems and Scales since 1840

seca gmbh & co. kg
Hammer Steindamm 9–25
22089 Hamburg · Germany
Telephone +49 40 20 00 00 0
Fax +49 40 20 00 00 50
info@seca.com

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seca france
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An innovation is something that proves its worth in day-to-day work.

Doctors, nurses and other health care professionals value technology that supports them in their day-to-day work and helps them save time. Our products help to shorten routine procedures and prevent errors. The intuitive control systems save training time, while the high level of reliability and quality guarantees precise measurements every time. Our effective, global seca service network also contributes to this. Mobile or stationary, little or plenty of space, for constant or only occasional use – we offer the right products for a wide range of conditions and requirements. The key factor, however, is that every seca product forms part of a system solution. This is the only way to ensure that devices can be fully integrated, processes networked and the number of work steps reduced.

Our products are sold exclusively through specialist retailers. This guarantees the level of reliability and service that you expect from us.

Robert M. Vogel
CEO Sales & Marketing

Frederik Vogel
CEO Development & Manufacturing

Thomas Wessels
CEO Finance & Services

seca®
Precision for health

Title: "Nice try" by Christina Lissmann

Best-fit products by medical area of application

Primary care

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Column scale seca 703
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Flat scale seca 874
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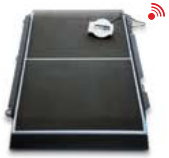
Stadiometer seca 274
Page 66

Intensive care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Bed and dialysis scale seca 984
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Cardiology

Column scale seca 703
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Flat scale seca 869
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Secondary care

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Wheelchair scale seca 676
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Stadiometer seca 274
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Endocrinology & diabetology

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Platform and bariatric scale seca 634
Page 56

Telescopic measuring rod seca 222
Page 69

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

+49 40 20 00 00 0

Field studies & mobile use

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Measuring board seca 417
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Mobile measuring and weighing system
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Gynecology & obstetrics

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Neonatology

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Pediatrics

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Long term care

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Wheelchair scale seca 676
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Nephrology & dialysis

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Multifunctional scale seca 684
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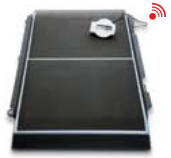
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Geriatrics

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Clinical nutrition

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the world's first wireless product system

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wireless measuring station for height and weight

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wireless wheelchair scales with handrail and transport castors

Catalog **medical international**

Accurate patient consultation
requires reliable data.

Exact body composition
The medical Body Composition Analyzer (mBCA) from seca divides the weight into the important components for medical use: fat, muscle mass and water.

Health and nutritional status
Important indicators of severe illnesses such as obesity, malnutrition and diabetes can now be detected, faster and more precisely than ever before.

Courses of therapy
The PC software can be used to document courses of therapy and give patients a clear printout for their records.

Comprehensive analysis
The six modules of the seca mBCA 514 offer countless diagnostic options and present the results using clear graphs.

Medically valid
The seca mBCA 514 is validated against the medical science gold standard – using clinical studies* developed at clinics in the USA and Germany. This enables doctors and medical staff to work at the cutting edge of science.

*At press time, not all studies have been published.
For current publication status:
www.seca.com/studies

seca mBCA

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 exactly why seca has developed a medical Body Composition Analyzer, which delivers all these values and has been validated against the medical science gold standard. Thus, it is possible to precisely and medically determine values such as fat mass, extracellular and intracellular water, and skeletal muscle mass. Put simply, the seca mBCA is an innovative diagnostic instrument that will give your facility a unique advantage.

With five decisive advantages for medicine

1. Medically precise measurements.
2. Assessment of the general health and nutritional status of the patient.
3. Brief examination – less than 20 seconds.
4. Early indicators of various diseases.
5. Exact monitoring of courses of therapy.

Simplified work, quick measurement and medically relevant results,

that is the seca mBCA 514.

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 BIA measurement (bioelectrical impedance analysis), we need to look beyond the many technical requirements. For one thing, the device has to be quick and easy to use for both medical staff and patients. 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.

The intuitive user navigation permits operation of the seca mBCA 514 without hours of training.

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.

The unique standing aid guarantees that the patient always stands in the same measuring position.

seca mBCA 514

Technical data

- Capacity: 300 kg
- Division: 50 g
- Dimensions (WxHxD): 976 x 1,251 x 828 mm
- Display type: 8.4" touch-screen 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: max. 20 seconds
- Frequencies: 19

System compatible with:
360° wireless USB adapter seca 456, seca analytics 115 software, seca 274 stadiometer or seca 264

seca | service

For seca mBCA 514:

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

The data and measurements are sent via an Ethernet or wireless connection to the PC software, which then integrates them into the Electronic Medical Record (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 300 kg.

Six times more for every measurement.

With the six modules in the seca mBCA 514.

The six analytical modules of the new seca mBCA 514 offer the user innumerable diagnostic options. With precise ratios such as fat mass to weight or extracellular to intracellular water, the doctor can now obtain indications of medical disorders which were previously difficult to diagnose without additional examinations. Another significant advantage comes with the graphic presentation of measurement results, which visualizes the doctor's findings for the patient.

Energy

The fat mass is the human body's energy store. The module not only shows the fat mass both as an absolute value and relative to the patient's body weight; it also indicates the energy stored in the body.

- Fat mass (FM/%FM)
- Energy stores in body
- Resting energy expenditure (REE)
- Total energy expenditure (TEE)

Fluid

The Fluid module determines total body water and its makeup in terms of extracellular and intracellular water. If the proportion of extracellular water is too high, that could indicate that the patient is retaining more water than is healthy. With the help of the Bioelectrical Impedance Vector Analysis (BIVA), the patient's fluid status can be presented in easy-to-understand graphics.

- Total body water (TBW)
- Extracellular water (ECW)
- Hydration (HYD) = Extracellular water (ECW)/intracellular water (ICW)
- Bioelectrical Impedance Vector Analysis (BIVA)

Function/Rehabilitation

The module Function/Rehabilitation determines the patient's level of fitness, metabolic activity and any training progress. The Body Composition Chart (BCC) developed by seca depicts the measurement points of the fat mass indices over a coordinate system and helps to determine body composition.

- Fat-free mass (FFM)
- Fat mass (FM/%FM)
- Fat mass indices (FFMI/FMI)
- Skeletal muscle mass (SMM)

Health risk

A prognosis for the patient's general health and nutritional status can be made with the Health risk module. The decisive factor is the phase angle, from which conclusions can be drawn about the condition of the body's cells or the entire organism. This evaluation is shown in the BIVA. The module also determines fat mass index (FMI) and fat-free mass index (FFMI) and plots them in the BCC.

- Phase angle (φ)
- Hydration (HYD) = Extracellular water (ECW)/intracellular water (ICW)
- Bioelectrical Impedance Vector Analysis (BIVA)
- Fat mass indices (FFMI/FMI)

Development/Growth

The module Development/Growth allows monitoring of changes in weight, as the patient's weight, height and BMI are graphically presented for each measurement.

- Weight (W)
- Height (H)
- Body Mass Index (BMI)

Raw impedance data

The Raw impedance data module reports the results of the Bioelectrical Impedance Analysis in raw data form so that they can be used for clinical studies. The data includes impedance, phase angle, resistance, and reactance for individual extremities and frequencies.

- Impedance (Z)
- Phase angle (φ)
- Resistance (R)
- Reactance (Xc)

Examination results are only as valuable as the analysis performed.

The seca analytics 115 PC software.

More in-depth analysis

The seca analytics 115 PC software does more than simply uploading the examination results from the seca mBCA to your PC. It expands on them significantly, for instance with a module for cardio-metabolic risk or a therapy planner.

seca 360° wireless

The measurements from the seca mBCA 515 and other seca 360° wireless products can be received wirelessly by a PC running seca analytics 115.

Digital patient files

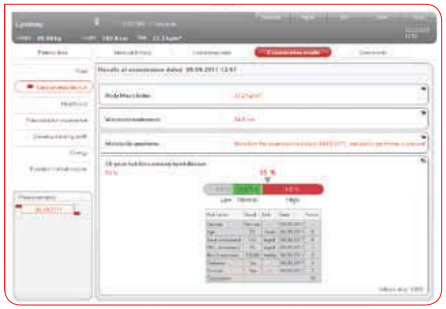
Only EMR-integrated products such as seca analytics 115 can convert the data into the format required to process it in the Electronic Medical Record (EMR) systems.

Solid scientific foundation

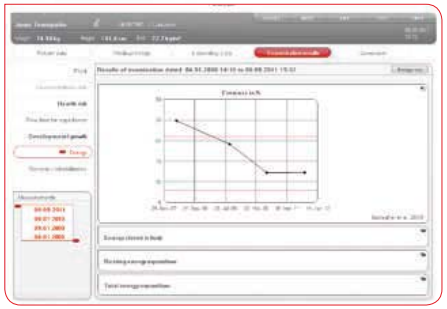
The seca mBCA 514 and the seca analytics 115 PC software use the latest scientific references for the analysis and interpretation of the measurements.

With six decisive advantages for medicine

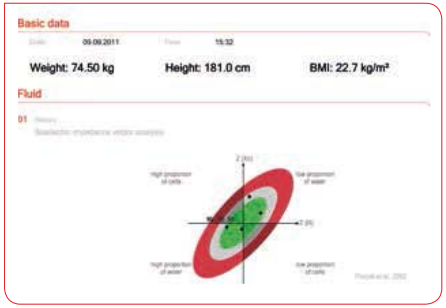
1. Sets up the PC so that it can wirelessly receive the measurements of the seca mBCA and other seca 360° wireless devices.
2. Also, offers the Cardiometabolic risk module, the extension to the Raw impedance data module, additional interpretation options, trend curves and the therapy planner.
3. Can generate and print out clear graphs for all data – either for patient records or to provide a clear structure for patient consultation.
4. Stores all patient and examination data in a central seca database.
5. Enables clinics to take the first step toward digital patient records with EMR integration.
6. With the necessary security, thanks to simple user account management and access rights.



The additional module Cardiometabolic risk compares BMI and waist circumference to reference values, calculates the 10-year risk of coronary heart disease and checks whether a metabolic syndrome is present.



Trend curves document and monitor data such as the proportion of fat mass.



The seven modules for the analysis of examination results can be compiled for each patient as needed and presented in an easy-to-read PDF document. This patient printout is not only intended for patient records – it is also a valuable aid for clear patient consultation.

The therapy planner helps in the analysis of resting and total energy expenditure. It is becoming increasingly important, as more and more patients are suffering from malnutrition, overweight or obesity.

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

seca | 360° wireless

A new era in measuring and weighing!

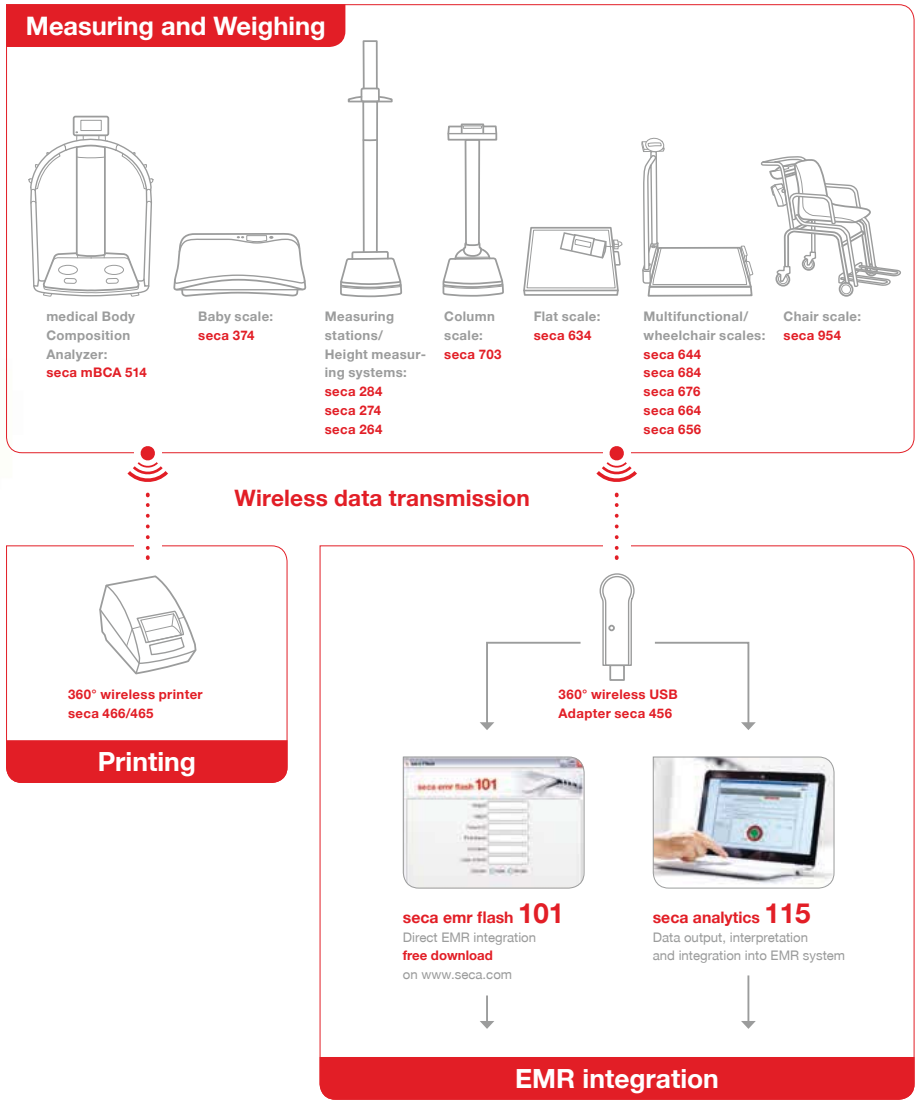
Imagine – data wirelessly transmitted and then printed or received by a PC and analyzed by software that compares them to standard values. All measurements can be transmitted directly into the Patient Data Management System of a hospital or doctor's practice and managed there. seca 360° wireless not only saves valuable time and prevents manual entry errors, but also provides doctors and staff with a whole new level of information about abnormal health and nutritional statuses among their patients.

With seven decisive advantages for medicine

1. Wireless communication instead of cable connections.
2. System components can be set up anywhere.
3. seca's own secure wireless protocol for simple and fast recognition of devices in the seca 360° wireless network.
4. Paperless and error-free transmission of measurements.
5. seca analytics 115 PC software for diagnostic assistance based on highly qualified analysis and assessment of the health and nutritional status of the patient.
6. Graphic presentation of measurements and their comparison to standard values – PDF or hard copy print-out.
7. Software seca emr flash 101 for direct transmission of measurements to any EMR system.

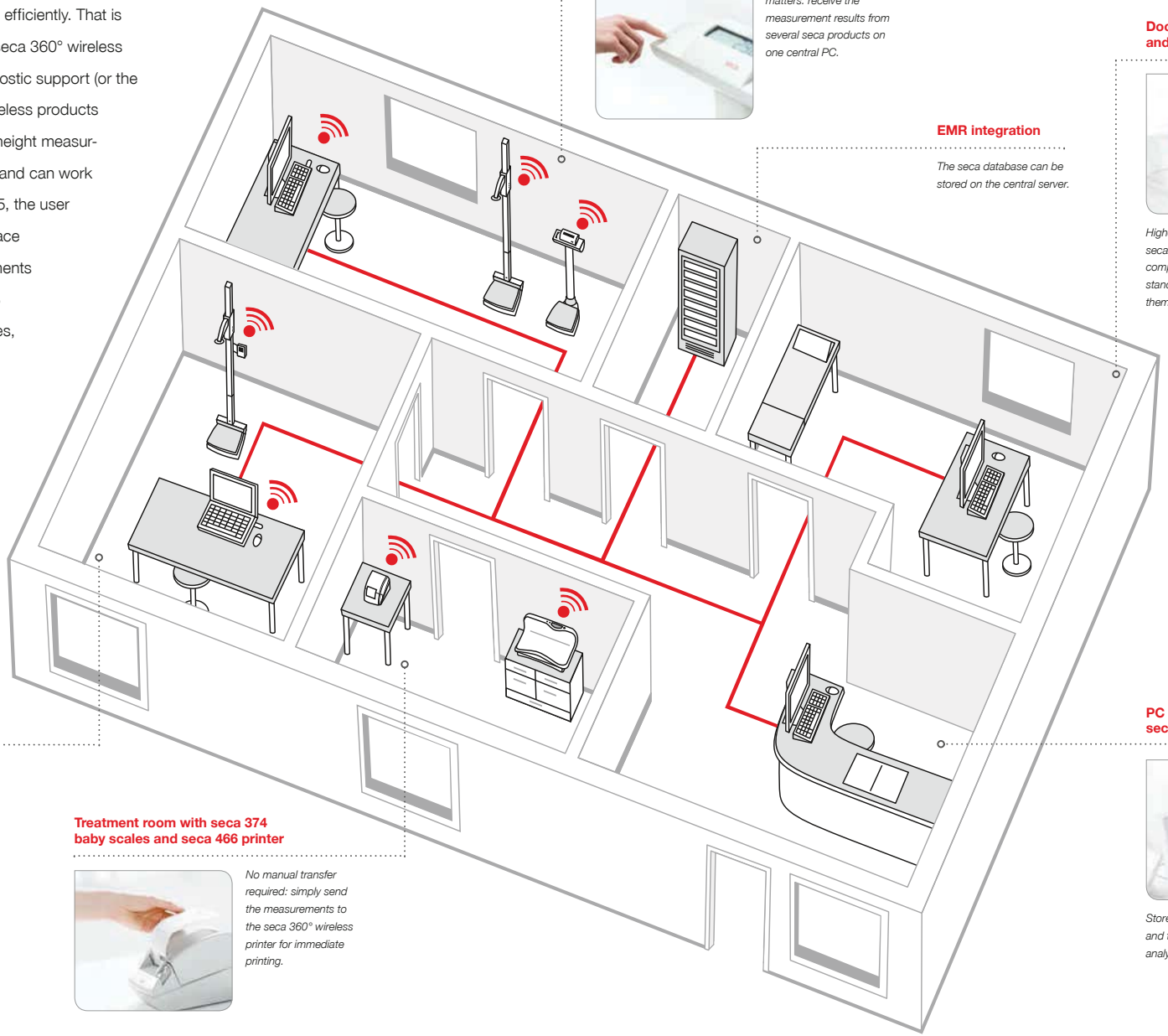
One step ahead of the future:
direct EMR integration.

The wireless product system seca 360° wireless is the first of its kind in the world. Our products transmit their data as required via a special medical wireless protocol to a simple, fast and secure seca network. Within seconds, measurements are transmitted wirelessly and assigned to the correct patient ID in your EMR system, or transferred to a seca 360° wireless printer. This increased efficiency allows your facility to concentrate on what's really important — the well-being of your patients.



The future belongs to networks –
in medicine too.

If many experts join hands, they will work faster and more efficiently. That is the idea behind a network, and the same applies to the seca 360° wireless network with the seca analytics 115 PC software for diagnostic support (or the seca emr flash 101 software for connecting seca 360° wireless products directly to the EMR system, see page 22). Here, the seca height measuring systems and scales are spread across several rooms, and can work wirelessly with any number of PCs. With seca analytics 115, the user can access the data of an EMR system via a central interface (seca EMR Connector), store height and weight measurements and export the other analysis data from seca analytics 115 as a PDF. This saves time not only in measuring procedures, but in the documentation as well.



Treatment room with seca 703 column scales, seca 274 stadiometer and PC with seca analytics 115

More time for what really matters: receive the measurement results from several seca products on one central PC.

EMR integration

The seca database can be stored on the central server.

Doctor's office with PC and seca analytics 115

Higher quality consultation: the seca analytics 115 PC software compares the results with the standard values and presents them clearly.

Treatment room with seca 284 measuring station and PC with seca analytics 115

Measuring and weighing in one step. With seca analytics 115, all the measurement results are made available on the network straight after the examination.

Treatment room with seca 374 baby scales and seca 466 printer

No manual transfer required: simply send the measurements to the seca 360° wireless printer for immediate printing.

PC in reception with seca analytics 115

Store the patient data in the EMR and transfer them to the seca analytics 115 PC software.

Our seamless integration
into any EMR system.

Many devices bear the label “EMR-ready”, but in practice that isn’t enough. Only EMR-integrated products like seca emr flash 101 and seca analytics 115 permit direct integration of data in an EMR system and bring the data to internationally recognized standards (e.g. HL 7 or GDT), which the EMR system requires for processing purposes. The only prerequisite is the USB adapter seca 456 for the PC, so it can receive the measurements from seca 360° wireless products.

seca 284 wireless measuring station or any other product from the seca 360° wireless range

seca emr flash 101

Free software for connecting seca 360° wireless product to any EMR system

EMR

EMR-integrated

- Direct integration of data into any EMR system
- Standard international formats such as HL7 and GDT
- Includes an API for individual module development
- Time savings, for precise work without manual entry errors
- Leaves more time for what really matters: the patient's well-being

seca emr flash 101 for direct EMR integration

A direct connection to an Electronic Medical Record (EMR) system normally involves a lot of programming work. Not with seca! With the software seca emr flash 101, available as a free download from the Internet site www.seca.com, seca offers two options for direct integration into the EMR system:

1. An Application Programming Interface (API) that permits customized module development in simple programming steps for the specific EMR system.
2. Software modules have already been developed by seca for some EMR systems (e.g. Allscripts Professional) and standard protocols (e.g. HL7, GDT) in which about 80% of the programming steps have already been executed. For the integration in hospitals or doctors' practices, all that is needed is some support from the EMR system provider or IT department.

seca analytics 115 can do more than analyze and interpret data

With the PC software seca analytics 115 doctors can work with the data from seca products on a PC and make significant improvements in the quality of the examination. They can also export the results to an EMR system and import patient data as well. In addition, it is possible to create an electronic report and store it digitally as a PDF in the patient files.

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 360° wireless technology allows you transmit weight measurements quickly and securely without cable connections to a PC or printer.

The plastic surface is pleasant to touch and easy to clean.

seca 727

Electronic baby scale with integrated RS232 interface

A special integrated damping system together with the auto-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. The large, bright LED figures make it easy and convenient to read the result. Power supply is by power adapter or rechargeable batteries. An integrated RS232 interface guarantees the reliable transmission of data to a PC.

- Capacity: 20 kg / 44 lbs
- Graduation: 2 g < 10 kg > 5 g / 0.1 oz < 22 lbs > 0.2 oz
- Functions: TARE, auto-HOLD, weighing range switch-over, kg/lbs switch-over, automatic switch-off, RS232 interface
- Optional: interface cable seca 451

The damping function delivers precise measurements even if the baby moves.

Can be operated by rechargeable batteries or power adapter.

Maximum precision makes this scale particularly suitable for neonatology.

seca 728

Electronic baby scale with fine graduation

Thanks to the especially fine two-gram graduation, this scale registers even the smallest change in weight. With the aid of the auto-HOLD function, the result is displayed even after the baby has been taken off the scale – a baby can therefore first be attended to before its weight is noted. Power supply is by power adapter or rechargeable batteries.

- Capacity: 20 kg / 44 lbs
- Graduation: 2 g < 10 kg > 5 g / 0.1 oz < 22 lbs > 0.2 oz
- Functions: TARE, auto-HOLD, weighing range switch-over, kg/lbs switch-over, automatic switch-off
- Optional: measuring rod seca 231, head and foot positioners seca 429

seca added value

Baby scales with integrated measuring rod for measuring and weighing in one step? There is such a thing – from seca of course. Supplemented by the measuring rod seca 231, the electronic baby scale seca 728 becomes a complete measuring and weighing system that can be operated easily with just one hand. The other hand remains free to keep the baby still in the weighing tray.

Accessories

seca 231

Measuring rod for baby scale seca 728

This measuring rod converts the baby scales seca 728 into a complete weighing and measuring system. You can measure and weigh the baby on the scales and thus save time. It is easy to mount on the scales with the perfectly fitting connections.

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

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

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

seca 374

Wireless 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 20 kg, even if the child is fidgety. The adjustable damping function combined with the auto-HOLD function ensures fast and precise work. Net weight of a 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 to the seca 360° wireless network? 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: 20 kg / 44 lbs
- Graduation: 5 g < 10 kg > 10 g / 0.2 oz < 22 lbs > 0.5 oz
- Functions: TARE, BMIF, auto-HOLD, auto-CLEAR, kg/lbs switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: measuring rod seca 233, head and foot positioners seca 418, power adapter seca 447, switch-mode power adapter seca 400
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101

seca service

For seca 374:

- On-site seca 360° wireless 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 360° wireless technology and the press of a key, the seca 374 can send every measurement to a seca wireless printer or to software seca analytics 115 on the PC.

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

The optional measuring rod allows simultaneous weighing and height measurement.

Accessories

seca 418

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

Low weight and practical handle make transport effortless.

seca 334

Mobile electronic baby scale

The weighing tray has a more generous and comfortable design than many other models, but the easy-to transport seca 334 weighs only 2.8 kg and requires surprisingly little space. With the large, clear LCD figures and the practical carrying handle – which can also be used to hang the scales – this battery-operated scale for babies and infants makes daily weighing very easy. The Breast-Milk-Intake-Function shows the exact amount of milk the baby has consumed.

- Capacity: 20 kg / 44 lbs
- Graduation: 5 g < 10 kg > 10 g / 0.2 oz < 22 lbs > 0.5 oz
- Functions: TARE, BMIF, auto-HOLD, kg/lbs switch-over, automatic switch-off
- Optional: measuring rod seca 232, head positioner seca 419, power adapter seca 447, switch-mode power adapter seca 400, carrying case seca 428

Accessories

seca 232

Measuring rod for baby scale 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: 35–80 cm, 35–80 cm / 14–32"
- Graduation: 1 mm, 1 mm / 1/8"

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

Accessories

seca 428

Carrying case for seca baby scale

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.

The baby scale can be easily stored and transported.

seca 354

Electronic 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 10 g. In no time at all, it can be converted into a floor scale for children with a capacity of 20 kg. 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: 20 kg / 44 lbs
- Graduation: 10 g < 10 kg > 20 g / 0.5 oz < 22 lbs > 1 oz
- Functions: TARE, BMIF, auto-HOLD, kg/lbs switch-over, automatic switch-off
- Optional: measuring board seca 417, carrying case seca 414 (for combination with measuring board) and seca 413

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 20 kilograms.

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

To simplify cleaning, weighing tray can be removed.

Accessories

seca 413

Carrying case for baby scale seca 354

With this case, 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 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, 32 lbs
- Graduation: 5 g, 1/4 oz
- 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.

seca 310

Mechanical circular dial scale for use far from any hospital

Strong and reliable, the seca 310 has been designed especially for work in areas where there is no access to hospitals and baby clinics. Weighing just over one kilo, with a shatter-proof glass dial, corrosion-resistant metal casing and internal parts and robust mechanics, it is ideal for use anywhere in the world. The seca 310 has a fine graduation of 50 g with a capacity of up to 25 kg. The suspension hooks are made of galvanized steel and are extremely durable and safe. One sling seat seca 410 is included in the basic equipment delivered with the circular dial scale seca 310.

- Capacity: 25 kg / 55 lbs
- Graduation: 50 g / 55 lbs
- Functions: reset-to-zero function
- Optional: set of 5 pieces sling seat seca 410, carrying case seca 411

Accessories

seca 410

Set of 5 pieces sling seat for the circular dial scales seca 310 and seca 312

The ergonomically shaped sling is especially designed for weighing babies with the circular dial scales seca 310 and seca 312. The sling positions babies and toddlers comfortably and safely for weighing. The integrated padding can be adjusted individually to the size of the child. Made of durable nylon material, the sling seat is stable, hygienic and easy to clean. One seca 410 is delivered with the circular dial scales seca 310 and seca 312. Additional sling seats are optionally available in a set of 5 pieces.

new

seca 312

Mechanical circular dial scale with color indication of weight categories

The seca 312 has also been designed for work in areas where there is no access to hospitals and baby clinics. Especially in baby's first few months it is very important to keep an accurate check on his or her weight. Weighing just 1.5 kg, with shatter-proof glass dial, corrosion-resistant metal casing and internal parts and robust mechanics, the seca 312 is ideal for use anywhere in the world. It has a very fine graduation of 25 g with a capacity of up to 5 kg. Moreover the dial is so large that small units can be marked, guaranteeing very accurate readings of the child's weight. With the colored scaling it is easy to register exactly even the slightest changes – a major advantage when monitoring the weight of babies. The suspension hooks are made of galvanized steel and are extremely durable and safe. One sling seat seca 410 is included in the basic equipment delivered with the circular dial scale seca 312.

- Capacity: 5 kg / 11 lbs
- Graduation: 25 g / 1 oz
- Functions: reset-to-zero function
- Optional: set of 5 pieces sling seat seca 410, carrying case seca 411
- Color indication:
  0.0 – 2.0 kg red – severe malnutrition
  2.0 – 2.5 kg yellow – malnutrition
  2.5 – 5.0 kg green – normal weight

The unit offers 3 color indications to easily identify the babies weight category: 0.0–2.0 kg red (severe malnutrition), 2.0–2.5 kg yellow (malnutrition), 2.5–5.0 kg green (normal weight).

Accessories

seca 411

Carrying case for seca 310 and seca 312

The handy carrying case seca 411 with strap provides sufficient room and protection for the circular dial scales seca 310 and seca 312.

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 in hospital

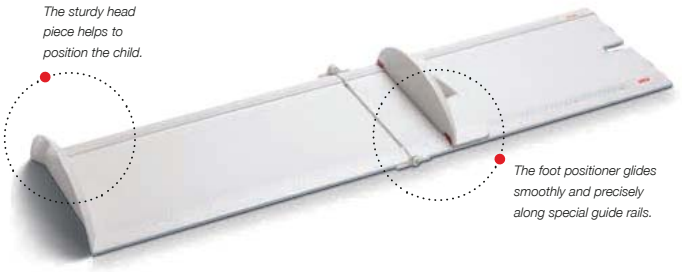
The sturdy construction and stability of the infantometer makes it quick and easy to measure babies and toddlers up to two years old. The board is generously designed and the raised and softly rounded sides guide the baby easily and safely into the right position. Permanently mounted with rollers on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

- Measuring range: 33 – 100 cm, 33 – 100 cm / 13 – 39"
- Graduation: 1 mm, 1 mm / 1/16"

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.



The sturdy head piece helps to position the child.

The foot positioner glides smoothly and precisely along special guide rails.

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: 10 – 100 cm, 10 – 100 cm / 4 – 39"
- Graduation: 1 mm, 1 mm / 1/16"
- Optional: baby scales seca 354, carrying case seca 414 (for combination with baby scales) 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

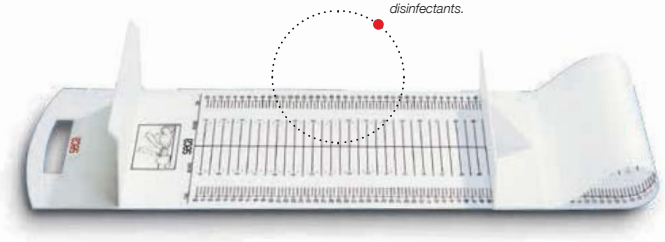
seca 354, seca 417 and seca 414

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 1 meter can be set up in just a few steps.

reddot design award

Although rugged, the surface is easy to care for and can be cleaned with all commercially available disinfectants.



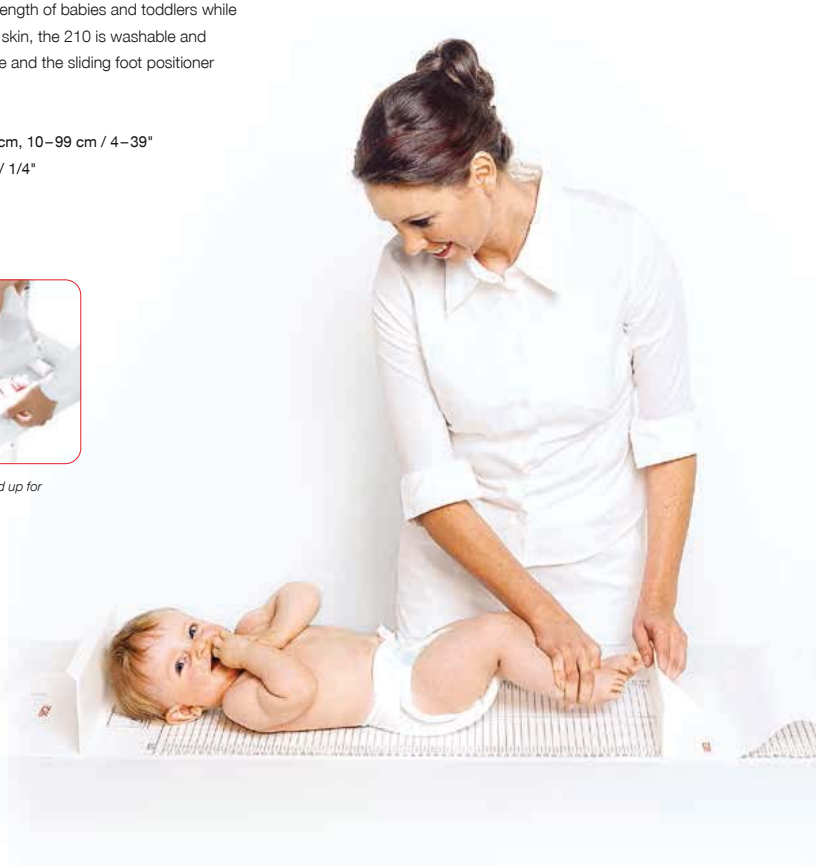
seca 210

Mobile measuring mat for babies and toddlers

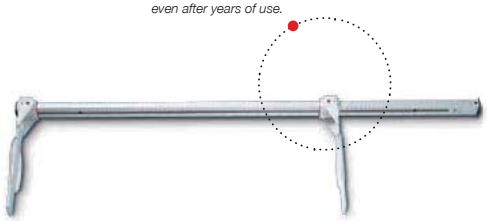
The seca 210 is a lightweight and space-saving solution for precise measurement of the length of babies and toddlers while lying down. While kind to the skin, the 210 is washable and foldable. The fixed head piece and the sliding foot positioner make it simple to use.

- Measuring range: 10–99 cm, 10–99 cm / 4–39"
- Graduation: 5 mm, 5 mm / 1/4"

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



The scale's high-quality printing is also tear-resistant. Measurements are precisely displayed and easy to read even after years of use.



seca 207

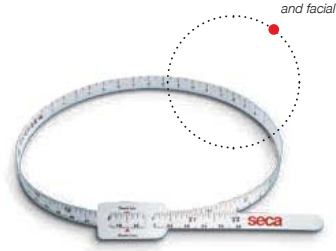
Baby measuring rod with large calipers

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

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

A scale on each side permits measuring of head circumference and facial symmetry.



seca 212

Measuring tape for head circumference of babies and toddlers

The measuring tape is made of non-stretch Teflon synthetic 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: 5–59 cm, 5–59 cm / 2–23"
- Graduation: 1 mm, 1 mm / 1/16"

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

Alice

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 a PC or seca 360° 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.

The measuring stations by seca

measure and weigh in a single step.

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

seca | service

For seca 284:

- On-site seca 360° wireless 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 wireless measuring station seca 284, height and weight can be obtained 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 360° wireless printer or PC.

seca 284

Wireless measuring station for body height and weight

The 360° wireless measuring station seca 284 measures and weighs in a single 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 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 shows the slightest weight changes with its fine 50-gram graduation and transmits all measurements via the seca 360° wireless.

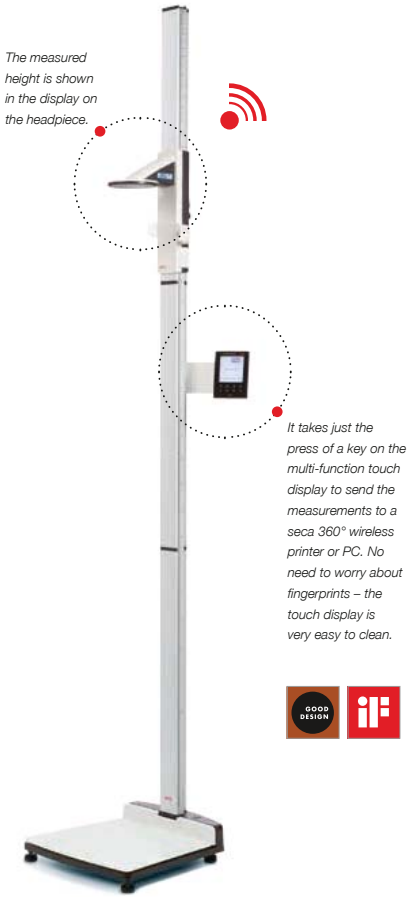
Scale:

- Capacity: 300 kg / 660 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, mother/child-function, HOLD, auto-HOLD, auto-BMI, CLEAR, auto-CLEAR, auto weighing range switch-over, kg/lbs switch-over, damping, SEND/PRINT
- RS232 compatible

Measuring rod:

- Measuring range: 30–220 cm / 11"–7 ft 2"
- Graduation: 1 mm / 0.05"
- Functions headpiece: HOLD, user-defined zero setting, automatic switch-off, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101



The measured height is shown in the display on the headpiece.

It takes just the press of a key on the multi-function touch display to send the measurements to a seca 360° wireless printer or PC. No need to worry about fingerprints – the touch display is very easy to clean.

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

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

seca 763

Electronic measuring and weighing station with automatic BMI calculation

With the electronic 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, at the touch of a button, automatically calculates the BMI of the patient. This value provides information on the general nutritional condition of the patient on the basis of the recognized WHO standard. With its capacity of 250 kg, its low platform and very robust design, the measuring and weighing station is particularly suitable for heavyweight patients.

Column scale:

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

Integrated Measuring rod:

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

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.

Alternative

seca 763

Electronic measuring and weighing station with integrated printer

In addition to the easy determination of both height and weight, this version of the seca 763 also provides absolutely reliable documentation of the results. The integrated thermal printer in the display is activated when the scale is mounted. As soon as the patient steps off the scale, height, weight and BMI values are automatically printed out. The measuring station is equipped with a time module, so the time and date are also printed on the 57 mm wide diagnostic printout. This not only guarantees that data is easily and safely recorded but also rules out errors in data transfer.

The display shows height and weight simultaneously in two windows.

The integrated thermal printer documents measurements on paper.

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.

The column scales by seca
help wherever they can.

After more than 170 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 | service

For seca 703:

- On-site seca 360° wireless 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 – by seca, of course. With the help of the new seca 360° wireless technology, the seca 703 can receive data from a wireless 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 a PC or to a seca 360° wireless printer? It's as easy as pressing the function key.

seca 703

Wireless column scale with capacity up to 300 kilograms

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 300 kg for heavyweight patients, the large and flat platform and time-saving functions Pre-TARE, HOLD, Auto-HOLD and mother/child-function. With everything primed for the future and integration in EMR using the seca 360° wireless.

- Capacity: 300 kg / 660 lbs
- Graduation: 50 g < 150 kg > 100 g / 0.1 lbs < 330 lbs > 0.2 lbs
- Functions: TARE, pre-TARE, mother/child-function, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: measuring rod seca 220 or seca 224, power adapter seca 447, switch-mode power adapter seca 400
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

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 seca 360° wireless technology and the press of a key, the seca 703 can send measurements to an optional seca 360° wireless printer or seca software on the PC.

seca 769

Electronic 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. The column scale can also be fitted with the optional measuring rod seca 220 or seca 224 so that both height and weight can be determined in just one time-saving step.

- Capacity: 200 kg / 450 lbs
- Graduation: 100 g / 0.2 lbs
- Functions: TARE, HOLD, BMI, kg/lbs switch-over, automatic switch-off
- Optional: measuring rod seca 220 or 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.

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: 60–200 cm, 60–200 cm / 24–78"
- Graduation: 1 mm, 1 mm / 1/8"

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 220 kg, this mechanical column scale is the ideal solution for weighing even overweight persons. This is due partly to the generously proportioned, low platform. A ridged rubber mat also safely prevents the patient from slipping when stepping onto the scale. 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. The column scale can also optionally be fitted with the seca 220 measuring rod.

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

The scale is printed on both sides so that both the patient and the user can read the weight.

The broad and flat construction provides easy step-on access and a firm foothold.

Accessories

seca 220

Telescopic measuring rod for seca column scales

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

- Measuring range: 60–200 cm, 60–200 cm / 24–78"
- Graduation: 1 mm, 1 mm / 1/8"

The optional measuring rod allows convenient measuring and weighing 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. When the patient steps onto the scale, a BMI disc of contrasting color is set in motion below the very precise weight display on the large, clear dial that is visible in a small window next to which a height scale is printed. 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: 160 kg, 160 kg / 350 lbs
- Graduation: 500 g, 500 g / 1 lbs
- Functions: BMI, reset-to-zero function
- Optional: measuring rod seca 224

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

The separately available measuring rod permits simultaneous measuring and weighing.

seca 786

Mechanical column scale with large round dial

Tried and tested over several decades, this scale by seca has properties that are still modern today. The seca 786 is always ready for use because it needs neither electricity nor batteries. The robust scale determines weight quickly, accurately and conveniently. Every patient can weigh themselves effortlessly without assistance.

- Capacity: 150 kg
- Graduation: 500 g
- Functions: reset-to-zero function
- Optional: measuring rod seca 224

The black rubber mat on the platform is robust and easy to clean.

Flat scales

Even space-saving scales 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.

optimized

seca 634

Wireless platform and bariatric scale

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

Obesity is the fastest growing health problem in the world. This battery-operated digital scale has been especially developed for weighing obese patients, with a weighing range of up to 360 kg and a non-slip 56 x 56 cm platform, only 5.5 cm high – a sturdy base for overweight or obese patients. A chair may also be used on the scale and will not influence the weighing result due to the pre-TARE function. The cable remote display (cable length: 2.5 m) with easy-to-read LCD can be held, wall mounted or placed on a table. The 100 g graduation means that the smallest changes in weight are registered, even after the patient has left the scale – thanks to the auto-HOLD function. The integrated Body Mass Index (BMI) function and the seca 360° wireless technology, which can be used to transmit the measurements to a seca wireless printer or PC at the push of a button emphasizes the many uses of this unique multifunctional scale.

- Capacity: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, lbs/kg switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: stand for cable remote displays seca 472, power adapter seca 447, switch-mode power adapter seca 400
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

seca | service

For seca 634:

- On-site seca 360° wireless 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 these scales easy to transport.

seca 869

Flat scale with cable remote display

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

- Capacity: 250 kg / 550 lbs
- Graduation: 100 g < 150 kg > 200 g / 0.2 lbs < 330 lbs > 0.5 lbs
- Functions: TARE, HOLD, BMI, kg/lbs switch-over, automatic switch-off
- Optional: stadiometer seca 217 combined with adapter element seca 437, power adapter seca 447, 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.

La valeur ajoutée seca

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.

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

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: 200 kg / 440 lbs
- Graduation: 50 g < 150 kg > 100 g / 0.1 lbs < 330 lbs > 0.2 lbs
- Functions: mother/child-function, auto-HOLD, kg/lbs switch-over, automatic switch-off
- Battery-operated
- Optional: stadiometer seca 217 combined with adapter element seca 437, carrying case seca 414 (for combination with stadiometer and adapter element) and seca 415

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 4.2 kilograms 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 4.2 kilograms, nevertheless very stable and suitable for patients weighing up to 250 kilograms. 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: 250 kg / 550 lbs
- Graduation: 100 g < 150 kg > 200 g / 0.2 lbs < 330 lbs > 0.5 lbs
- Functions: mother/child-function, kg/lbs switch-over, tap-on automatic switch-on, automatic switch-off
- Optional: stadiometer seca 217 combined with adapter element seca 437, carrying case seca 414 (for combination with stadiometer and adapter element) and seca 415

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

Accessories

new

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, 400 x 45 x 300 mm, and the flat shape facilitate trouble-free weighing of heavyweight patients.

seca 813

Electronic flat scale with very high capacity

With an increasing number of people weighing more, seca has designed flat scales that can easily hold up to 200 kilograms on their extra wide platform. The tough rubber coating takes the heaviest challenges lightly and the flat construction makes stepping on very easy.

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

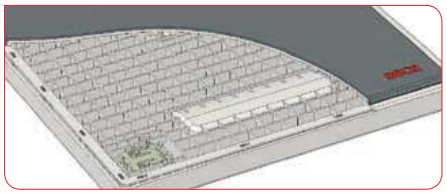
Due to 28-millimeter LCD figures, the weights in the display are easy to read.

seca 803

Electronic flat scale with high-quality two-component rubber surface

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: 150 kg / 330 lbs
- Graduation: 100 g / 0.2 lbs
- Functions: auto-HOLD, kg/lbs switch-over, tap-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 500 g graduation

The precise design classic has a large clear and well-defined dial with a graduation of 500 grams. With a large, low-level, non-slip platform and scratch resistant finish, it is easy for the patient to step on and weigh.

- Capacity: 150 kg, 320 lbs, 150 kg / 320 lbs
- Graduation: 500 g, 1 lbs, 500 g / 1 lbs
- 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, powder-coated 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: kilograms, pounds and kilograms/pounds.

- Capacity: 150 kg, 320 lbs, 150 kg / 320 lbs
- Graduation: 1 kg, 1 lbs, 1 kg / 1 lbs
- 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 into the seca 360° wireless network and in headpieces that always glide smoothly into position and so guarantee consistently precise measurements.

seca 274

Wireless stadiometer – for use anywhere with display on the headpiece

If you are looking for a wireless solution for taking height measurements, you cannot go wrong with the free-standing digital stadiometer seca 274. Its individual parts of high-quality aluminum can be easily assembled and tightly screwed together and its measuring range from 30 cm to 220 cm can be used for small children to adults. Additional benefits include the stable glass platform, the white backlit display on the headpiece and wireless data transmission. Data can be sent to a seca 360° wireless printer, a PC or a wireless scale that can calculate the BMI from height and weight measurements.

- Measuring range: 30 – 220 cm / 11" – 7 ft 2"
- Graduation: 1 mm / 1/8"
- Functions: HOLD, cm/inch switch-over, user-defined zero setting, automatic switch-off, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, seca mBCA 514, column scale seca 703, flat scale seca 634, multifunctional and wheelchair scale seca 644, seca 684, seca 676, seca 664, seca 656 and chair scale seca 954

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

seca added value

A wireless stadiometer that can send its measurements to a PC? There is such a thing – from seca of course: the digital stadiometer seca 274 (free-standing) and seca 264 (for wall mounting). Both transmit the measured height with the help of the newest seca 360° wireless technology 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.

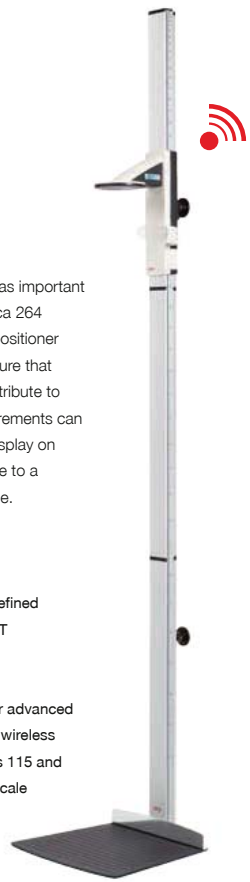
seca 264

Wireless 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 360° wireless printer, a PC or a wireless scale.

- Measuring range: 30 – 220 cm / 11" – 7 ft 2"
- Graduation: 1 mm / 1/8"
- Functions: HOLD, cm/inch switch-over, user-defined zero setting, automatic switch-off, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, seca mBCA 514, column scale seca 703, flat scale seca 634, multifunctional and wheelchair scale seca 644, seca 684, seca 676, seca 664, seca 656 and chair scale seca 954



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 seca 360° wireless installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

seca 217

Stable stadiometer for mobile height measurement

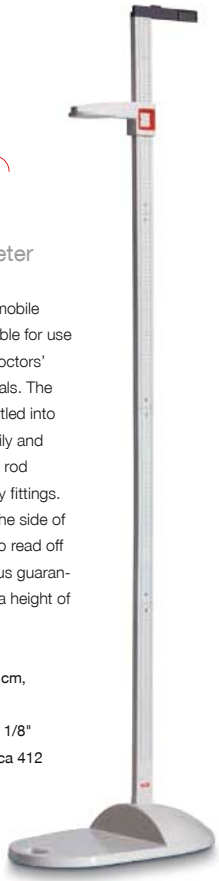
The mobile stadiometer seca 217 boasts unmatched stability, a cleverly designed assembly system and particularly high-quality materials. All this lends the stadiometer an exceptionally high degree of stability – almost the same as a permanent installation. In addition, the adjustable spacer ensures a 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: 20–205 cm, 20–205 cm / 8"– 6 ft 9"
- Graduation: 1 mm, 1 mm / 1/8"
- Optional: adapter element seca 437 (for combination with flat scale seca 869, seca 874 or seca 876), 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 2.4 kg, 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: 20–205 cm, 20–205 cm / 8"– 6 ft 9"
- Graduation: 1 mm, 1 mm / 1/8"
- Optional: carrying case seca 412

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

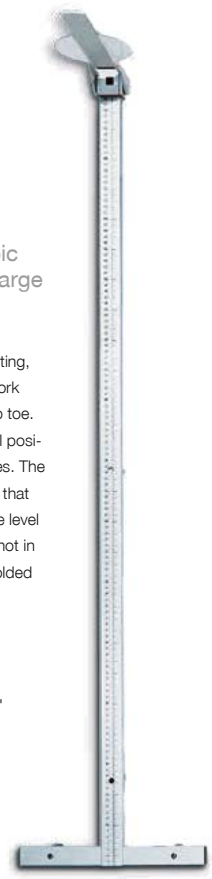
Large platform for stability.

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 tip 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: 6–230 cm, 6–230 cm / 2–90"
- Graduation: 1 mm ,1 mm / 1/8"



The foot positioner ensures exact positioning and precise measurements.

seca 216

Mechanical measuring rod for children and adults

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

- Measuring range: max. 138 cm / 55.3", variable from 3.5–230 cm / 1.4–90"
- Graduation: 1 mm, 1 mm / 1/16"

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

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

seca 206

Mechanical measuring tape

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

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

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

The head slide makes it easy to read the measurement.

seca 201

Ergonomic circumference measuring tape

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

- Measuring range: 0–205 cm, 0–80"
- Graduation: 1 mm, 1/8"

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. Emphasis is on convenient operation with wireless transmission of data to a PC or a seca 360° wireless printer.

optimized

seca 644

Wireless multifunctional handrail scale

Equipped with an extremely low-level, easy-access platform, a stable handrail, and high weight-bearing capacity, this multifunctional scale ensures safe and comfortable weighing of heavy patients. The integrated handrail provides the patient with support throughout the weighing process – or sat on a chair placed on the generous platform. The pre-TARE function with three memory cells automatically deducts a stored weight (such as a chair) to determine net weight. The seca 644 is also equipped with seca 360° wireless technology which can be used to transmit the measurement results wirelessly to a seca wireless printer or the seca software on a PC. 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: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, automatic switch-off, SEND/PRINT
- Optional: measuring rod seca 223
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

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

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

seca | service

For seca 644 and seca 684:

- On-site seca 360° wireless installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

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.

seca 684

Wireless 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 (76 x 82 cm) accommodates a patient in a wheelchair. The weight of the wheelchair or walker is simply deducted with use of the pre-TARE function. Special attention has been given to making the scales easy to access and safe, with a stop barrier provided for the front wheels of the wheelchair. Furthermore, the seca 684 is equipped with the new seca 360° wireless technology, which wirelessly transmits all measurements to a seca wireless printer or to seca software on a PC. 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. The access ramp seca 470 is included in the supply schedule.

- Capacity: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

Patient can stand or sit when being weighed.

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

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 have 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.

seca 676

Wireless 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 key to transmit measurements wirelessly to a seca wireless printer or the PC.

- Capacity: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

seca | service

For seca 676 and seca 664:

- On-site seca 360° wireless 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 wireless wheelchair scales 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 scales can be folded for easy transport.

Integrated ramp folds up for trouble free transport.

optimized

seca 664

Wireless electronic wheelchair scale

With its high capacity of 360 kg, this scale makes it easy to weigh even heavy patients. Easy access is assured by its extremely low platform and the self-lowering ramps. 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: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, automatic switch-off, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

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.

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

The integrated fold-away ramp locks into place for trouble free transport.

optimized

seca 656

Wireless electronic 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 360 kg, 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 360° wireless technology, the measurements can be sent to a seca wireless printer or the PC at the push of a button.

- Capacity: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, SEND/PRINT
- RS232 compatible
- Optional: Stand for cable remote displays seca 472

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

seca | service

For seca 656:

- On-site seca 360° wireless 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.

The ramps makes it easy to mount the scales.

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

seca 674

Electronic platform scale

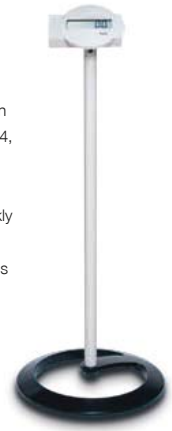
This electrically-operated, generously-sized wheelchair/platform scale is multifunctional. It weighs patients in care, especially heavy patients, persons in wheelchairs and seated patients with circulatory trouble, even during dialysis. The flexible cable remote display can be placed anywhere (e.g. on 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: 360 kg / 800 lbs
- Graduation: 50 g / 0.1 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, RESET
- 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 674

Optional accessory: this ramp for platform scale seca 674 makes it even easier to get onto the scales with a wheelchair from both sides.

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

Chair scales by seca

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 a PC is quick and easy.

seca 954

Wireless chair scale to weigh seated patients

seca | service

For seca 954:

- On-site seca 360° wireless installation service
- Remote or on-site EMR integration service
- Remote or on-site software support

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. At the press of a button, the seca 360° wireless technology transmits measurements to a seca wireless printer or a PC. 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: 300 kg / 660 lbs
- Graduation: 50 g < 150 kg > 100 g / 0.1 lbs < 330 lbs > 0.2 lbs
- Functions: TARE, pre-TARE, HOLD, auto-HOLD, BMI, auto-CLEAR, kg/lbs switch-over, damping, automatic switch-off, SEND/PRINT
- RS232 compatible

System compatible with: 360° wireless printer advanced seca 466, 360° wireless printer seca 465, 360° wireless USB adapter seca 456, software seca analytics 115 and seca emr flash 101, stadiometer seca 274 or seca 264

seca 952

Chair scale for weighing while seated

With a capacity of 200 kg and a graduation of 100 grams, 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: 200 kg / 440 lbs
- Graduation: 100 g / 0.2 lbs
- Functions: TARE, auto-HOLD, kg/lbs switch-over automatic swich-off

With its exceptionally high capacity of up to 300 kg, the BMI function and options to use mains or battery power, the chair scale seca 954 is ideal for use in any situation.

The seca 952 is running on batteries instead of mains power, and offers a capacity of 200 kg.

The supplied carrying case provides space to store the power supply cable together with the scale.

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

The large footrests can be folded completely out of the way so that the patient can safely and comfortably take a seat.

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

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

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

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

Specialized scales and BMI calculator

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, the extremely precise portion and diet scale for clinical nutritionists or the practical BMI calculator that quickly determines a patient's nutritional condition.

The stainless steel surface is tough and easy to clean.

seca 856

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

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

seca 852

Digital portion and diet scale

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

- Capacity: 3 kg / 6.6 lbs
- Graduation: 1 g / 0.05 oz
- Functions: TARE, kg/lbs 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.

seca 491

BMI calculator

Obesity is considered to be the fastest growing health risk in the world. It is therefore all the more important to determine the exact nutritional condition of a patient with the Body Mass Index (BMI) – one of the few internationally acknowledged values when it is a question of obtaining a meaningful height/ weight ratio. With our battery and solar-operated BMI calculator seca 491, every doctor, nurse and caregiver can determine the BMI simply and quickly in a few steps.

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

Measurements received from the seca 360° wireless 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

seca 360° wireless printer advanced for reception, analysis and printing of measurements on thermal paper or labels

With the wireless printer advanced seca 466 with integrated automatic cutting tool, measurements transmitted by the seca 360° wireless 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

System compatible with: all measuring devices and scales in the seca 360° wireless system

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

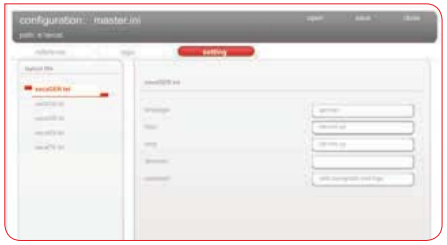
seca 465

seca 360° wireless printer for analysis and printing of transmitted measurements on thermal paper

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

System compatible with: all measuring devices and scales in the seca 360° wireless system



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 new free software application seca emr flash 101, the seca 360° wireless 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 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.*

*Can also be connected to RS232.

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 the measurements from their seca 360° wireless products, including the 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 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:

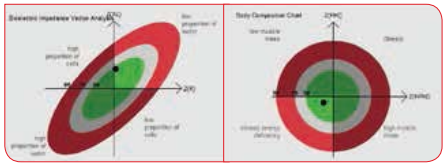
- Supported operating systems: Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)
- Processor: 1.2 GHz or higher
- Hard Disk Space: minimum 1 GB
- Memory: minimum 512 MB RAM
- Additional HW: DVD drive
- Ports: for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232)
- Display: 1024x768, High Colour (16-bit), 32-bit (recommended)

System compatible with: in combination with seca 360° wireless USB adapter seca 456 system compatible with all products in the seca 360° wireless system

1 single location license free with every seca mBCA 514

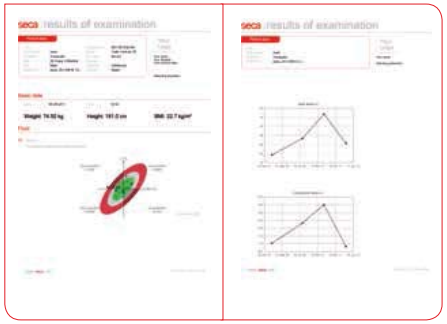
For an exact assessment of health status and nutritional condition of children, height, weight and BMI are compared to percentiles.

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.



The seven modules for the analysis of examination results can be compiled for each patient as needed and presented in an easy-to-read PDF document.

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

Wireless data transmission

seca emr flash 101

Free software to connect seca 360° wireless products to Electronic Medical Record (EMR) systems

Simple, efficient and free - without any additional expense, 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 free download at www.seca.com. In just seconds your measurement data from seca 360° wireless measuring devices and scales is assigned to the right patient ID.

System requirements:

- Supported operating systems: Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)
- Ports: for usage in combination with seca medical devices USB port (2.0) or serial interface (RS232)

System compatible with: in combination with seca 360° wireless USB adapter seca 456 system compatible with all products in the seca 360° wireless system

seca | service

For seca analytics 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 new free software application seca emr flash 101, you can transmit your measurements from seca 360° wireless products directly into an EMR system. The technological standard of the EMR system doesn't matter at all.

Accessories

seca 456

seca 360° wireless 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 (EMR-integrated). The labor-intensive process of documenting examination findings is turned into a speedy and paperless matter.

System requirements:

- Supported operating systems: Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)

System compatible with: software and USB adapter in combination are compatible with all products in the seca 360° wireless system

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

seca mBCA

new

CE 0123

seca mBCA 514

Medical Body Composition Analyzer.

Page 08–13

Page 08

General	
Dimensions (WxHxD)	976 x 1,251 x 828 mm
Capacity	300 kg
Graduation	50 g < 150 kg > 100 g
Weight	36 kg
Display	8.4" Touch-screen display, can be rotated 360°
Power supply	power adapter
Interfaces	Touch-screen display USB 2.0 weighing platform Ethernet (10/100 Base-T)
Compatible printers	seca 360° wireless, laser printer and inkjet printer via PC software seca analytics 115
Bioelectrical Impedance Analysis	
Measurement method	8-point Bioelectrical Impedance Analysis
Measurement frequencies	1; 1.5; 2; 3; 5; 7.5; 10; 15; 20; 30; 50; 75; 100; 150; 200; 300; 500; 750; 1,000 kHz
Measurement segments	right arm, left arm, right leg, left leg, right half of body, left half of body, torso
Measurement current	100 µA
Measurement time	max. 20 seconds
Technical data for scale	
Capacity	Weighing range 1 = 150 kg Weighing range 2 = 300 kg
Fine graduation	Weighing range 1 = 50 g Weighing range 2 = 100 g
Accessories	
	PC software seca analytics 115 (with one workstation license included) combined with the 360° wireless USB adapter seca 456 is compatible with all products in the seca 360° wireless system

Software

CE

seca analytics 115

Medical PC software for diagnostic assistance.

Page 14–23

Page 14

Technical data	
Dimensions (WxHxD)	137 x 192 x 7 mm 5.4 x 7.6 x 0.3"
Directive	MP
System requirements	
Supported operating systems	Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (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)
Display	1024x768, High Colour (16-bit), 32-bit (recommended)
System compatible with	
seca 360° wireless	all measuring devices and scales in the seca 360° wireless system

Accessories for software

CE

seca 456

seca 360° wireless USB adapter for data reception on PC.

Page 14–23

Page 19

Technical data	
Dimensions (WxHxD)	85 x 23 x 10 mm 3.3 x 0.9 x 0.4"
Weight	12 g / 0.026 lbs
Directive	MP
System requirements	
Supported operating systems	Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)
Ports	for usage in combination with seca medical devices USB port (2.0)
System compatible with	
seca 360° wireless	all measuring devices and scales in the seca 360° wireless system

Baby scales

	seca 727	seca 728	seca 374	seca 334	seca 354	seca 725	seca 310	seca 312
	Electronic baby scale with digital display and serial interface RS232.	Electronic baby scale with digital display.	Wireless baby scale with shell-shaped tray and raised LCD.	Electronic baby scale with practical handle for mobile medical use.	Multi-purpose, electronic baby and infant scale with detachable tray forweighing in a reclining or standing position.	Mechanical baby scale with sliding weights, lbs version available.	Mechanical circular dial scale for weighing babies in a sling seat suspended under the scales.	Mechanical circular dial scale with color indication of weight categories.
	Page 24–35	Page 26	Page 27	Page 28	Page 30	Page 32	Page 33	Page 34	Page 35
Technical data									
Capacity	20 kg / 44 lbs	20 kg / 44 lbs	20 kg / 44 lbs	20 kg / 44 lbs	20 kg / 44 lbs	16 kg, 32 lbs	25 kg / 55 lbs	5 kg / 11 lbs
Graduation	2 g < 10 kg > 5 g 0.1 oz < 22 lbs > 0.2 oz	2 g < 10 kg > 5 g 0.1 oz < 22 lbs > 0.2 oz	5 g < 10 kg > 10 g 0.2 oz < 22 lbs > 0.5 oz	5 g < 10 kg > 10 g 0.2 oz < 22 lbs > 0.5 oz	10 g < 10 kg > 20 g 0.5 oz < 22 lbs > 1 oz	5 g, 1/4 oz	50 g / 2 oz	25 g / 1 oz
Dimensions (WxHxD)	551 x 151 x 320 mm 21.7 x 5.9 x 12.6"	550 x 163 x 320 mm 21.7 x 6.4 x 12.6"	620 x 190 x 358 mm 24.4 x 7.5 x 14.1"	638 x 105 x 300 mm 25.1 x 4.1 x 11.8"	552 x 156 x 332 mm 21.7 x 6.1 x 13.1"	550 x 180 x 290 mm 21.7 x 7.1 x 11.4"	220 x 225 x 52 mm 8.7 x 8.9 x 2"	220 x 225 x 52 mm 8.7 x 8.9 x 2"
Dimensions/tray (WxHxD)	540 x 110 x 250 mm 21.3 x 4.3 x 9.8"	550 x 100 x 290 mm 21.7 x 3.9 x 11.4"	615 x 130 x 275 mm 24.2 x 5.1 x 10.8"	595 x 50 x 255 mm 23.4 x 2 x 10"	525 x 80 x 250 mm 20.7 x 3.1 x 9.8"	550 x 110 x 270 mm 21.7 x 4.3 x 10.6"		
Dimensions/platform (WxHxD)					280 x 65 x 235 mm 11 x 2.6 x 9.3"			
Weight	7.1 kg / 15.7 lbs	5.4 kg / 11.9 lbs	3.6 kg / 7.9 lbs	2.8 kg / 6.2 lbs	2.3 kg / 5 lbs	6.4 kg / 14.1 lbs	1.5 kg / 3.4 lbs	1.5 kg / 3.4 lbs
Power supply	Power adapter, rechargeable batteries	Power adapter, rechargeable batteries	Batteries, power adapter optional	Batteries, power adapter optional	Batteries			
Directive	MP/EMC	MP/EMC	MP/EMC	MP/EMC	EMC	MP	MP	MP
Functions								
TARE	•	•	•	•	•			
BMIF			•	•	•			
Auto-HOLD	•	•	•	•	•			
Auto-CLEAR			•					
Weighing range switch-over	•	•						
kg/lbs switch-over	•	•	•	•	•			
Damping			•					
Reset-to-zero function						•	•	•
Acoustic signals can be activated			•					
RESET			•					
Automatic switch-off	•	•	•	•	•			
RS232 interface	•							
RS232 compatible			•					
SEND/auto-SEND			•					
PRINT/auto-PRINT			•					
Optional								
Measuring rod/ measuring board		seca 231	seca 233	seca 232	seca 417			
Head/foot positioner		seca 429	seca 418	seca 419				
Mechanical accessories							sling seat seca 410	sling seat seca 410
Interface cable	seca 451							
Power adapter			seca 447, seca 400	seca 447, seca 400				
Carrying case				seca 428	seca 413, seca 414	seca 425	seca 411	seca 411
Areas of application								
Mobile weighing	•	•		•	•		•	•
System compatible with								
seca 360° wireless			seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101					

Accessories for baby scales

	seca 231	seca 233	seca 232	seca 429	seca 418	seca 419	seca 410	seca 451	seca 447	seca 400	seca 428	seca 414	seca 413	seca 411
	Measuring rod for baby scales, accessory for seca 728.	Measuring rod for baby scales seca 374.	Measuring rod for baby scale, accessory for seca 334.	Head and foot positioner for baby scale seca 728 if no measuring rod seca 231 is mounted.	Head and foot positioners for baby scales seca 374 when the measuring rod seca 233 is not installed.	Head positioner for baby scale seca 334.	Sling seat for the circular suspension scale seca 310.	Interface cable for seca 727.	Power adapter for seca 374 and seca 334.	Switch-mode power adapter for baby scale seca 374 and seca 334.	Stable and roomy carrying case for the seca 334 baby scale.	Case with handle and shoulder strap for electronic baby scale seca 354 in combination with seca 417.	Carrying case for baby scale seca 354.	Carrying bag for seca 310.
	Page 27	Page 29	Page 31	Page 27	Page 29	Page 30	Page 34	Page 26	Page 28	Page 28	Page 31	Page 32	Page 33	Page 35
Technical data														
Measuring range	35–80 cm, 35–80 cm / 14–32"	35–80 cm, 35–80 cm / 14–32"	35–80 cm, 35–80 cm / 14–32"											
Graduation	1 mm, 1 mm / 1/8"	1 mm, 1 mm / 1/8"	1 mm, 1 mm / 1/8"											
Dimensions (WxHxD)	640 x 120 x 277 mm 25.2 x 4.7 x 10.9"	641 x 179 x 296 mm 25.2 x 7 x 11.7"	640 x 145 x 277 mm 25.2 x 5.7 x 10.9"	207 x 120 x 42 mm 8.1 x 4.7 x 1.7"	205 x 148 x 69 mm 8.1 x 5.8 x 2.7"	205 x 145 x 45 mm 8.1 x 5.7 x 1.8"	300 x 450 x 300 mm 11.8 x 17.7 x 11.8"		50 x 40 x 75 mm 2 x 1.6 x 3"	42 x 35 x 73 mm 1.7 x 1.4 x 2.9"	630 x 330 x 110 mm 24.8 x 13 x 4.3"	625 x 350 x 210 mm 24.6 x 13.8 x 8.3"	570 x 150 x 330 mm 22.4 x 5.9 x 13"	217 x 207 x 77 mm 8.5 x 8.1 x 3"
Cable length								1.2 m / 47.2"	1.85 m / 72.8"	1.85 m / 72.8"				
Weight	522 g / 1.2 lbs	700 g / 1.5 lbs	512 g / 1.1 lbs	292 g / 0.6 lbs	388 g / 0.9 lbs	142 g / 0.3 lbs	134 g / 0.3 lbs	40 g / 0.1 lbs	310 g / 0.7 lbs	155 g / 0.3 lbs	1.2 kg / 2.5 lbs	2.8 kg / 6.2 lbs	874 g / 1.9 lbs	170 g / 0.4 lbs
Directive	MP	MP	MP						MP	MP				

Pediatric measuring systems

	CE 0123	CE 0123	CE 0123	CE 0123	CE 0123
	seca 416	**seca 417**	**seca 210**	**seca 207**	**seca 212**
	Infantometer with raised sides and footpiece mounted on two rails.	Light and stable measuring board for mobile use.	Measuring mat for babies and infants.	Measuring rod with extra wide measuring slides. Wall mounting possible.	Head circumference measuring tape for babies and infants, made of non-stretch Teflon. For measuring head circumference and symmetry.
Page 34–41	Page 36	Page 38	Page 40	Page 41	Page 41
Technical data					
Measuring range	33–100 cm, 33–100 cm / 13–39"	10–100 cm, 10–100 cm / 4–39"	10–99 cm, 10–99 cm / 4–39"	0–99 cm, 0–99 cm / 0–39"	5–59 cm, 5–59 cm / 2–23"
Graduation	1 mm, 1 mm / 1/16"	1 mm, 1 mm / 1/16"	5 mm, 5 mm / 1/4"	1 mm, 1 mm / 1/8"	1 mm, 1 mm / 1/16"
Capacity scale					
Graduation scale					
Dimensions (WxHxD)	1,103 x 169 x 402 mm 43.4 x 6.7 x 15.8"	1,110 x 115 x 333 mm 43.7 x 4.5 x 13.1"	1,250 x 140 x 300 mm 49.2 x 5.5 x 11.8"	1,047 x 120 x 286 mm 41.2 x 4.7 x 11.3"	25 x 1 x 663 mm 1 x 0.04 x 26.1"
Dimensions/packed in case (WxHxD)					
Dimensions box (WxHxD)					140 x 145 x 30 mm 5.5 x 5.7 x 1.2"
Dimensions when folded (WxHxD)		577 x 115 x 333 mm 22.7 x 4.5 x 13.1"	120 x 140 x 300 mm 4.7 x 5.5 x 11.8"	1,047 x 120 x 30 mm 41.2 x 4.7 x 1.2"	
Weight	3.8 kg / 8.3 lbs	1.6 kg / 3.5 lbs	575 g / 1.3 lbs	810 g / 1.8 lbs	60 g / 0.1 lbs (box)
Quantity in dispenser					15 pieces
Directive	MP	MP	MP	MP	MP
Functions					
TARE					
BMIF					
Auto-HOLD					
kg/lbs switch-over					
Automatic switch-off					
Optional					
Carrying case		seca 414, seca 412			
Areas of application					
Can be mounted			•	•	
Mobile measuring		•	•		•

Accessories for pediatric measuring systems

	seca 414	**seca 412**
	Case for the measuring instruments seca 417 together with baby scale seca 354.	Case for infantometer seca 417.
	Page 38	Page 38
Technical data		
Dimensions (WxHxD)	625 x 350 x 210 mm 24.6 x 13.8 x 8.3"	686 x 427 x 56 mm 27 x 16.8 x 2.2"
Weight	2.8 kg / 6.2 lbs	650 g / 1.4 lbs

Measuring stations and column scales

	seca 284	seca 763	seca 703	seca 769	seca 700	seca 755	seca 786
	Wireless measuring station for height and weight with multifunctional touch display and 50 g graduation.	Combined high-capacity electronic measuring station consisting of scale, measuring rod and BMI calculator.	Wireless column scale with very high capacity and large platform, with BMI function.	Electronic column scale with BMI function, low-maintenance, easy to transport.	Mechanical column scale with eye-level beam.	Mechanical column scale with large dial and automatic display of the BMI range in kg or lbs version.	Mechanical column scale with round dial and high column.
Page 42–53	Page 44	Page 46	Page 49	Page 50	Page 51	Page 52	Page 53
Technical data							
Capacity	300 kg / 660 lbs	250 kg / 550 lbs	300 kg / 660 lbs	200 kg / 450 lbs	220 kg, 500 lbs or 160 kg / 400 lbs	160 kg, 160 kg / 350 lbs	150 kg
Graduation	50 g / 0.1 lbs	50 g / 0.1 lbs	50 g < 150 kg > 100 g 0.1 lbs < 330 lbs > 0.2 lbs	100 g / 0.2 lbs	50 g, 1/8 lbs or 100 g / 1/4 lbs	500 g, 500 g / 1 lbs	500 g
Measuring range measuring rod	30–220 cm 11"–7 ft 2"	110–200 cm / 43–79"					
Graduation measuring rod	1 mm / 0.05"	1 mm / 0.05"					
Dimensions (WxHxD)	434 x 2,394 x 466 mm 17.1 x 94.3 x 18.3"	360 x 2,150 x 690 mm 14.2 x 84.6 x 27.2"	360 x 930 x 520 mm 14.2 x 36.6 x 20.5"	294 x 831 x 417 mm 11.6 x 32.7 x 16.4"	520 x 1,556 x 520 mm 20.5 x 61.3 x 20.5"	360 x 1,000 x 628 mm 14.2 x 39.4 x 24.7"	295 x 910 x 500 mm 11.6 x 35.8 x 19.7"
Dimensions/platform (WxHxD)	430 x 60 x 365 mm 16.9 x 2.4 x 14.4"	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"	272 x 75 x 280 mm 10.7 x 3 x 11"	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"	278 x 75 x 273 mm 10.9 x 3 x 10.7"
Dimensions/packed in case (WxHxD)							
Weight	16 kg / 35.3 lbs	16.7 kg / 36.8 lbs	15.2 kg / 33.5 lbs	6.2 kg / 13.7 lbs	16.2 kg / 35.7 lbs	18.1 kg / 39.9 lbs	6.9 kg / 15.2 lbs
Power supply	Batteries, power adapter	Power adapter	Batteries, power adapter optional	Batteries, power adapter optional			
Directive	MP/EMC	MP/EMC	MP/EMC	MP/EMC	MP	MP	MP
Functions/Accessories							
TARE	•	•	•	•			
Pre-TARE	•		•				
Mother/child function	•		•				
HOLD	•	•	•	•			
Auto-HOLD	•		•				
BMI			•	•		•	
Auto-BMI	•	•					
BFR	•						
Patient data input	•						
CLEAR	•						
Auto-CLEAR	•		•				
kg/lbs switch-over	•	•	•	•			
cm/inch switch-over	•	•					
Damping	•		•				
User-defined zero setting	•						
Reset-to-zero function					•	•	•
Backlighting	•						
Acoustic signals can be activated	•		•				
RESET	•		•				
Calibration/ automatic calibration	•						
Automatic switch-off	•		•	•			
RS232 compatible	•		•				
SEND/auto-SEND	•		•				
PRINT/auto-PRINT	•		•				
Integrated printer		alternative					
Integrated measuring rod	•	•					
Transport castors	•	•	•	•	•	•	•
Optional							
Measuring rod			seca 220, seca 224	seca 220, seca 224	seca 220	seca 224	seca 224
RS232 interface		seca 460					
Power adapter			seca 447, seca 400	seca 447, seca 400			
System compatible with							
seca 360° wireless	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101		seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264				

Flat scales

	seca 634	seca 869	seca 874	seca 876	seca 813	seca 803	seca 762	seca 750
	optimized							
	Wireless scale for heavy persons with large step-on surface, cable-link remote control and high loadbearing capacity.	Robust flat scale with cable remote display, BMI, HOLD and TARE for mobile use.	Electronic flat scale for mobile use with push buttons and double display.	Robust, very light flat scale with integrated display, Tap-on automatic switch-on and mother/child- function for mobile use.	Electronic flat scale with very high bearing capacity of up to 200 kilograms.	Electronic flat scale with high-quality two-component rubber surface.	Mechanical flat scale with large dial and fine 500 g graduation.	Mechanical flat scale with robust, powder-coated steel casing. kg/lbs and lbs version available.
Page 54 – 63	Page 56	Page 57	Page 58	Page 60	Page 62	Page 62	Page 63	Page 63
Technical data								
Capacity	360 kg / 800 lbs	250 kg / 550 lbs	200 kg / 440 lbs	250 kg / 550 lbs	200 kg / 440 lbs	150 kg / 330 lbs	150 kg, 320 lbs, 150 kg / 320 lbs	150 kg, 320 lbs, 150 kg / 320 lbs
Graduation	50 g / 0.1 lbs	100 g < 150 kg > 200 g 0.2 lbs < 330 lbs > 0.5 lbs	50 g < 150 kg > 100 g 0.1 lbs < 330 lbs > 0.2 lbs	100 g < 150 kg > 200 g 0.2 lbs < 330 lbs > 0.5 lbs	100 g / 0.2 lbs	100 g / 0.2 lbs	500 g, 1 lbs, 500 g / 1 lbs	1 kg, 1 lbs, 1 kg / 1 lbs
Dimensions (WxHxD)	640 x 53 x 600 mm 25.2 x 2.1 x 23.6"	321 x 60 x 356 mm 12.6 x 2.4 x 14"	321 x 60 x 361 mm 12.6 x 2.4 x 14.2"	321 x 60 x 356 mm 12.6 x 2.4 x 14"	433 x 47 x 373 mm 17 x 1.9 x 14.7"	316 x 37 x 326 mm 12.4 x 1.5 x 12.8"	305 x 120 x 470 mm 12 x 4.7 x 18.5"	317 x 117 x 477 mm 12.5 x 4.6 x 18.8"
Dimensions/platform (WxHxD)	560 x 55 x 560 mm 22 x 2.2 x 22"	280 x 60 x 278 mm 11 x 2.4 x 10.9"	288 x 60 x 280 mm 11.3 x 2.4 x 11"	288 x 60 x 278 mm 11.3 x 2.4 x 10.9"	400 x 45 x 300 mm 15.7 x 1.8 x 11.8"	295 x 35 x 305 mm 11.6 x 1.4 x 12"	260 x 70 x 265 mm 10.2 x 2.8 x 10.4"	290 x 70 x 290 mm 11.4 x 2.8 x 11.4"
Cable length	2.5 m / 98.4"	2 m / 78.7"						
Weight	14.4 kg / 31.7 lbs	4.5 kg / 9.9 lbs	4 kg / 8.9 lbs	4.2 kg / 9.3 lbs	2.9 kg / 6.3 lbs	1.5 kg / 3.3 lbs	3.5 kg / 7.7 lbs	3.5 kg / 7.7 lbs
Power supply	Batteries, power adapter optional	Batteries, power adapter optional	Batteries	Batteries	Batteries	Batteries		
Directive	MP/EMC	MP/EMC	MP/EMC	MP/EMC	EMC	EMC	MP	MP
Functions								
TARE	•	•						
Pre-TARE	•							
Mother/child function			•	•				
HOLD	•	•						
Auto-HOLD	•		•		•	•		
Step-off					•			
BMI	•	•						
kg/lbs switch-over	•	•	•	•	•	•		
Auto-CLEAR	•							
Damping	•							
Reset-to-zero function							•	•
Tip-on automatic switch-on				•	•	•		
RESET	•							
Automatic switch-off	•	•	•	•	•	•		
SEND/auto-SEND	•							
PRINT/auto-PRINT	•							
Transport castors	•							
RS232 compatible	•							
Optional								
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 447, seca 400	seca 447, seca 400						
Carrying case		seca 414, seca 421	seca 414, seca 415	seca 414, seca 415		seca 415		
Areas of application								
Mobile weighing		•	•	•		•		
System compatible with								
seca 360° wireless	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264							
EMR	•							

Accessories for measuring stations, column and flat scales

	seca 224	seca 220	seca 472	seca 437	seca 460	seca 447	seca 400	seca 414	seca 421	seca 415
	Telescopic measuring rod for seca column scales.	Telescopic measuring rod for seca column scales.	Stand for display elements of seca scales with cable remote displays.	Adapter element for the flat scales seca 869, seca 874 and seca 876 in combination with stadiometer seca 217.	RS232 interface for transmitting data to the serial interface of a PC or printer for seca 763.	Power adapter for seca 703, seca 769, seca 634 and seca 869.	Switch-mode power adapter for column and flat scales seca 703, seca 769, seca 634 and seca 869.	Case for the flat scale seca 869, seca 874 or seca 876 together with stadiometer seca 217 and adapter element seca 437.	Stable and roomy carrying case for the flat scale seca 869.	Carrying case for the flat scales seca 874, seca 876 and seca 803.
	Page 50	Page 51	Page 56	Page 57	Page 46	Page 49	Page 49	Page 57	Page 57	Page 61
Technical data										
Measuring range	60–200 cm, 60–200 cm / 24–78"	60–200 cm, 60–200 cm / 24–78"								
Graduation	1 mm, 1 mm / 1/8"	1 mm, 1 mm / 1/8"								
Dimensions (WxHxD)	55 x 1,480 x 286 mm 2.2 x 58.3 x 11.3"	55 x 1,480 x 286 mm 2.2 x 58.3 x 11.3"	460 x 1,035 x 460 mm 18.1 x 40.7 x 18.1"	333 x 86 x 310 mm 13.1 x 3.4 x 12.2"	100 x 25 x 60 mm	50 x 40 x 75 mm 2 x 1.6 x 3"	42 x 35 x 73 mm 1.7 x 1.4 x 2.9"	625 x 350 x 210 mm 24.6 x 13.8 x 8.3"	430 x 350 x 130 mm 16.9 x 13.8 x 5.1"	330 x 380 x 70 mm 13 x 15 x 2.8"
Cable length					0.3 m + 1.2 m	1.85 m 72.8"	1.85 m 72.8"			
Weight	1.4 kg / 3.1 lbs	696 g / 1.5 lbs	7.8 kg / 17.2 lbs	600 g / 1.3 lbs	122 g	310 g / 0.7 lbs	155 g / 0.3 lbs	2.8 kg / 6.2 lbs	810 g / 1.8 lbs	800 g / 1.8 lbs
Directive	MP	MP		MP	MP	MP	MP			

Height measuring systems

	seca 274	seca 264	seca 217	seca 213	seca 222	seca 216	seca 206	seca 201
	Wireless stadiometer, free-standing with seca Frankfurt Line and heel positioner for precise measurements.	Wireless stadiometer for wall mounting with easy-to-clean floor mat.	Stand-alone stadiometer for height measurement, with spacer, consisting of parts that fit together perfectly for ease of transport.	Stand-alone stadiometer for height measurement, easily assembled for convenient transport.	Telescopic measuring rod for the wall with extra wide measuring slides and heel stop.	Mechanical stadiometer. Head piece with locking screw for accuracy.	Roll-up measuring tape with wall attachment.	Ergonomic, smoothly extractable measuring tape for determining body circumference.
Page 64–71	Page 66	Page 67	Page 68	Page 69	Page 69	Page 70	Page 71	Page 71
Technical data								
Measuring range	30–220 cm 11"–7 ft 2"	30–220 cm 11"–7 ft 2"	20–205 cm, 20–205 cm / 8"–6 ft 9"	20–205 cm, 20–205 cm / 8"–6 ft 9"	6–230 cm, 6–230 cm / 2–90"	max. 138 cm / 55.3" selectable from 3.5–230 cm / 1.4–90"	0–220 cm, 0–87"	0–205 cm, 0–80"
Graduation	1 mm / 1/8"	1 mm / 1/8"	1 mm, 1 mm / 1/8"	1 mm, 1 mm / 1/8"	1 mm ,1 mm / 1/8"	1 mm / 1/16"	1 mm, 1/8"	1 mm, 1/8"
Dimensions (WxHxD)	434 x 2,394 x 466 mm 17.1 x 94.3 x 18.3"	428 x 2,318 x 474 mm 16.9 x 91.3 x 18.7"	328 x 2,145 x 574 mm 12.9 x 84.4 x 22.6"	337 x 2,165 x 590 mm 13.3 x 83.9 x 23.2"	308 x 2,320 x 286 mm 12.1 x 91.3 x 11.3"	120 x 1,500 x 217 mm 4.7 x 59.1 x 8.5"	125 x 125 x 173 mm 4.9 x 4.9 x 6.8"	70 x 22 x 65 mm 2.8 x 0.9 x 2.6"
Dimensions/platform (WxHxD)	430 x 60 x 365 mm 16.9 x 2.4 x 14.4"	430 x 3 x 370 mm 16.9 x 0.1 x 14.6"						
Dimensions when folded (WxHxD)				337 x 177 x 624 mm 13.3 x 7 x 24.6"	308 x 1,320 x 286 mm 12.1 x 52 x 11.3"			
Weight	15 kg / 33.1 lbs	5 kg / 11 lbs	3.6 kg / 7.9 lbs	2.4 kg / 5.3 lbs	1.1 kg / 2.4 lbs	1.7 kg / 3.7 lbs	202 g / 0.4 lbs	50 g / 0.1 lbs
Power supply	Batteries	Batteries						
Directive	MP/EMC	MP/EMC	MP	MP	MP	MP	MP	MP
Functions								
HOLD	•	•						
cm/inch 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	•	•						
Transport castors	•							
RS232 compatible	•	•						
Optional								
Adapter element			seca 437					
Carrying case			seca 414, seca 412	seca 412				
Areas of application								
Can be mounted		•			•	•	•	
Mobile measuring			•	•				•
System compatible with								
seca 360° wireless	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca mBCA 514, seca 703, seca 634, seca 644, seca 684, seca 676, seca 664, seca 656, seca 954	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca mBCA 514, seca 703, seca 634, seca 644, seca 684, seca 676, seca 664, seca 656, seca 954						

Accessories for height measuring systems

	seca 437	seca 414	seca 412
	Adapter element for stadiometer seca 217 in combination with flat scales seca 869, seca 874 and seca 876.	Case for stadiometer seca 217 together with flat scale seca 876, seca 874 or seca 869 and adapter element seca 437.	Case for mobile stadiometer seca 217 and seca 213.
	Page 68	Page 68	Page 69
Technical data			
Dimensions (WxHxD)	333 x 86 x 310 mm 13.1 x 3.4 x 12.2"	625 x 350 x 210 mm 24.6 x 13.8 x 8.3"	686 x 427 x 56 mm 27 x 16.8 x 2.2"
Weight	600 g / 1.3 lbs	2.8 kg / 6.2 lbs	650 g / 1.4 lbs

Multifunctional and wheelchair scales

	seca 644	seca 684	seca 676	seca 664	seca 656	seca 674
	optimized			optimized	optimized	
	Large wireless standing aid scale for multifunctional use with fixed rail, high capacity, BMI function and time module.	Wireless multifunctional scale with stable handrail and high load bearing capacity, with castors for transport ease.	Wireless wheelchair scale with handrail and transport castors.	Wireless electronic wheelchair scale with high capacity, collapsible, wheels for transport and integrated time module.	Wireless electronic platform scale with innovative memory function.	Electronic platform scale with high capacity and wheels for transport.
	Page 74	Page 75	Page 76	Page 77	Page 78	Page 79
Technical data						
Capacity	360 kg / 800 lbs	360 kg / 800 lbs	360 kg / 800 lbs	360 kg / 800 lbs	360 kg / 800 lbs	360 kg / 800 lbs
Graduation	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 / 0.1 lbs
Dimensions (WxHxD)	640 x 1,150 x 660 mm 25.2 x 45.3 x 26"	910 x 1,100 x 1,064 mm 35.8 x 43.3 x 41.9"	920 x 1,120 x 1,150 mm 36.2 x 44.1 x 45.3"	1,102 x 912 x 1,150 mm 43.4 x 35.9 x 45.3"	893 x 87 x 1,655 mm 35.2 x 3.4 x 65.2"	904 x 70 x 1,064 mm 35.6 x 2.8 x 41.9"
Dimensions/platform (WxHxD)	557 x 55 x 557 mm 21.9 x 2.2 x 21.9"	760 x 50 x 820 mm 29.9 x 2 x 32.3"	760 x 55 x 930 mm 29.9 x 2.2 x 36.6"	760 x 55 x 930 mm 29.9 x 2.2 x 36.6"	760 x 55 x 1,470 mm 29.9 x 2.2 x 57.9"	760 x 55 x 930 mm 29.9 x 2.2 x 36.6"
Weight	25.4 kg / 55.9 lbs	59.5 kg / 131.2 lbs	38 kg / 83.8 lbs	33.4 kg / 73.6 lbs	46.2 kg / 101.9 lbs	27 kg / 59.5 lbs
Power supply	Power adapter, rechargeable batteries	Power adapter	Power adapter	Power adapter, rechargeable batteries	Power adapter	Power adapter
Directive	MP/EMC	MP/EMC	MP/EMC	MP/EMC	MP/EMC	MP/EMC
Functions/Accessories						
TARE/pre-TARE	•	•	•	•	•	•
HOLD	•	•	•	•	•	•
Auto-HOLD	•	•	•	•	•	•
BMI	•	•	•	•	•	•
Auto-CLEAR	•	•	•	•	•	•
kg/lbs switch-over	•	•	•	•	•	•
Damping	•	•	•	•	•	•
RESET	•	•	•	•	•	•
Automatic switch-off	•			•		
SEND/auto-SEND	•	•	•	•	•	
PRINT/auto-PRINT	•	•	•	•	•	
Transport castors	•	•	•	•	•	•
RS232 compatible	•	•	•	•	•	
Ramp		1 x seca 470	2 x integrated	2 x integrated	2 x integrated	1 x seca 470
Optional						
Mechanical accessories	Measuring rod seca 223				Stand for cable remote display seca 472	Stand for cable remote display seca 472, additional ramp seca 470
System compatible with						
seca 360° wireless	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	

Chair scales

	seca 954	seca 952
	Wireless chair scale with four wheels, swivelling arm rests and fold-up footrests.	Electronic chair scale with fold up armrests and footrests.
	Page 80	Page 81
Technical data		
Capacity	300 kg / 660 lbs	200 kg / 440 lbs
Graduation	50 g < 150 kg > 100 g / 0.1 lbs < 330 lbs > 0.2 lbs	100 g / 0.2 lbs
Dimensions (WxHxD)	563 x 897 x 978 mm 22.17 x 35.31 x 38.5"	563 x 897 x 956 mm 22.17 x 35.31 x 37.64"
Weight	24.5 kg / 54 lbs	22.4 kg / 49.4 lbs
Power supply	Power adapter, rechargeable batteries	Batteries
Directive	MP/EMC	MP/EMC
Functions		
TARE	•	•
Pre-TARE	•	
HOLD	•	
Auto-HOLD	•	•
BMI	•	
Auto-CLEAR	•	
kg/lbs switch-over	•	•
Damping	•	
RESET	•	
Automatic switch-off	•	•
SEND/auto-SEND	•	
PRINT/auto-PRINT	•	
RS232 compatible	•	
System compatible with		
seca 360° wireless	seca 466, seca 465, seca 456, seca analytics 115, seca emr flash 101, seca 274, seca 264	

Bed and dialysis scale

	seca 984
	Electronic bed and dialysis scale with integrated mechanical lifters and equipment trolley.
	Page 82
Technical data	
Capacity	500 kg / 1,100 lbs
Max. patient weight	250 kg
Graduation	100 g < 200 kg > 200 g 0.2 lbs < 440 lbs > 0.5 lbs
Dimensions/cart (WxHxD)	520 x 927 x 562 mm 20.5 x 36.5 x 22.1"
Dimensions/load cells (WxHxD)	328 x 150 x 212 mm 12.9 x 5.9 x 8.3"
Weight	25.6 kg / 56.4 lbs (load cells + cart)
Power supply	Power adapter, rechargeable batteries
Directive	MP/EMC
Functions	
TARE/pre-TARE	•
HOLD	•
BMI	•
Lower limit value	•
kg/lbs switch-over	•
Damping	•
Optional	
RS232 interface	seca 460

Accessories for multifunctional and wheelchair scales and bed and dialysis scale

	seca 223	seca 472	seca 470	seca 460
	Telescopic measuring rod for the seca 644 handrail scale.	Stand for display elements of seca scales with cable remote displays.	Drive-up ramp as accessory for seca 674.	RS232 interface for transmitting data to PC and/or printer for seca 984.
	Page 74	Page 79	Page 79	Page 82
Technical data				
Measuring range	6–230 cm, 6–230 cm / 2–90°			
Graduation	1 mm, 1 mm / 1/8"			
Dimensions (WxHxD)	120 x 2,320 x 286 mm 4.7 x 91.3 x 11.3"	460 x 1,035 x 460 mm 18.1 x 40.7 x 18.1"	810 x 35 x 250 mm 31.9 x 1.4 x 9.8"	100 x 25 x 60 mm 3.9 x 1 x 2.4"
Cable length				0.3 m + 1.2 m 11.8 + 47.2"
Weight	952 g / 2.1 lbs	7.8 kg / 17.2 lbs	2 kg / 4.3 lbs	122 g / 0.3 lbs
Directive	MP			

Organ and diaper scale

seca 856

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

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Technical data	
Capacity	5 kg / 11 lbs
Graduation	1 g < 3 kg > 2 g 0.05 oz < 6.6 lbs > 0.1 oz
Dimensions (WxHxD)	265 x 53 x 265 mm 10.4 x 2.1 x 10.4"
Dimensions/scale platform (WxHxD)	235 x 5 x 170 mm 9.3 x 0.2 x 6.7"
Weight	1.9 kg / 4.2 lbs
Power supply	Batteries
Directive	EMC
Functions	
TARE/pre-TARE	•
HOLD	•
kg/lbs 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.

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

BMI calculator

seca 491

Battery and solar operated BMI calculator for quick, easy determination of the individual Body Mass Index (BMI).

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Technical data	
Dimensions (WxHxD)	57 x 8 x 99 mm 2.2 x 0.3 x 3.9"
Weight	45 g / 0.1 lbs
Power supply	Batteries
Functions	
BMI	•
Automatic switch-off	•

Wireless printers

seca 466

seca 360° wireless printer for reception, analysis and printing of measurements on thermal paper or labels, with integrated automatic cutter.

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seca 465

seca 360° wireless printer for reception, analysis and printing of measurements on thermal paper.

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Technical data	seca 466 Page 86	seca 465 Page 87
Dimensions (WxHxD)	106 x 105 x 180 mm 4.2 x 4.1 x 7.1"	106 x 116,5 x 170 mm 4.2 x 4.6 x 6.7"
Weight	1 kg / 2.2 lbs	800 g / 1.8 lbs
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
Directive	EMC	EMC
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	
System compatible with		
seca 360° wireless	all measuring devices and scales in the seca 360° wireless system	all measuring devices and scales in the seca 360° wireless system
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 seca 360° wireless printers seca 466 and seca 465.

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seca 486

Roll of labels for seca 360° wireless printer seca 466.

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Technical data	seca 485 Page 86	seca 486 Page 86
Dimensions (WxHxD)	57 x 59 x 59 mm 2.2 x 2.3 x 2.3	58 x 64 x 64 mm 2.3 x 2.5 x 2.5"
Weight	140 g / 0.3 lbs	140 g / 0.3 lbs
Packaging unit	5 or 50 rolls	1 or 24 rolls

Software

seca analytics 115

Medical PC software for diagnostic assistance.

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seca emr flash 101

Free software to connect seca 360° wireless products to Electronic Medical Record (EMR) Systems.

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Page 88–91

Technische Daten	seca analytics 115 Page 89	seca emr flash 101 Page 90
Dimensions (WxHxD)	137 x 192 x 7 mm 5.4 x 7.6 x 0.3"	
Weight	78 g / 0.2 lbs	
Directive	MP	
System requirements		
Supported operating systems	Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)	Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (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	1024 x 768, High Colour (16-bit), 32-bit (recommended)	
System compatible with		
seca 360° wireless	all measuring devices and scales in the seca 360° wireless system	all measuring devices and scales in the seca 360° wireless system

Accessories for software

seca 456

seca 360° wireless USB adapter for data reception on PC.

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Technical data	seca 456 Page 91
Dimensions (WxHxD)	85 x 23 x 10 mm 3.3 x 0.9 x 0.4"
Weight	12 g / 0.026 lbs
Directive	EMC
System requirements	
Supported operating systems	Windows XP (SP3), Windows Vista (SP1), Windows 7, Windows Server 2003 (SP2) and 2008 R1 (SP2)
Ports	for usage in combination with seca medical devices USB port (2.0)
System compatible with	
seca 360° wireless	all measuring devices and scales in the seca 360° wireless system

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 360° 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-function
With the PRINT function the measurements and input data are wirelessly transmitted to a seca 360° 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 kg as an absolute mass and in % as the relative proportion of the body weight.

FFM
Fat-Free Mass: the fat free mass is 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.

LST
Lean Soft Tissue: this includes all body tissue that does not consist of bone or fat.

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 kg/height in m)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.

Directive (MP/EMC)

Products that bear the MP label comply with current requirements set forth in the European Directive on Medical Devices 93/42/EEC and 2007/47/EC. EMC-labeled products satisfy current requirements of Directive on Electromagnetic Compatibility 2004/108/EC.

CE 0123

Products that bear that label comply with
- directives 93/42/EEC and 2007/47/EC

ISO 9001 ISO 13485

seca's professionalism has also been officially recognised. The certificate from TÜV SÜD Product Service GmbH, the body responsible for medical devices, confirms that as a manufacturer of medical devices, seca rigorously complies with the stringent legal requirements applicable. Here seca's quality assurance system covers the design and development, production, distribution and serivce of medical scales, length measuring systems, software and measuring systems for assessing the health and nutritional conditions.

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.

seca®

the brand of the medical field.

At seca, we have been understanding medicine since 1840. That is a long time. It is also very important to us, as it is our understanding that enables us to find answers. Only through understanding can we develop products that will provide doctors, nurses, and other health care professionals with effective support for their work. And we also care about the patient's well-being.

Experience

Quality

Progress

Experience is valuable if it gives birth to understanding.

- The same process since 1840: develop – question – improve
- Continuous development thanks to our own production sites
- Many years of dedication and expertise in the fight against widespread disease such as chronic obesity

Innovation means thinking outside the box.

- seca products are an integral part of the process of diagnosis and therapy
- More than just products: system solutions for simple integration of data into any EMR system
- Intelligent details make working with patients easier
- The prerequisite for innovation: an in-house development department
- Multi-award winning

International outlook

High quality proves itself over time.

- A secure investment: long service life
- Precise measurement under difficult conditions
- Global quality management to local national standards
- All-around service, also after purchasing
- Exclusive authorization from governing bodies to certify our own products

If you know the world, you know how the world works.

- The world market leader in medical measuring and weighing
- Products exported to more than 110 countries
- Knowledge of markets and routine medical work in different countries thanks to local subsidiaries and partners
- Used everywhere: from the most advanced clinics to development aids

seca and art

See the world through our eyes.

Push the envelope, 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. It is no wonder that art has grown into an important source of inspiration over our 170 years of existence. It throws up new questions, leads to new perspectives and opens up apparently distant horizons – for our products too. But seca would not be seca if we did not invite you to take part. That's why we commissioned the renowned media artist Christina Lissmann of Berlin five years ago to create an image portfolio for us that reflected the philosophy of our brand. With scenes featuring seca product portraits that transport the viewer into an aesthetically pleasing world. Where fantasy is let free and space opens up for rethinking, challenging the conventional and finding new paths to explore. Welcome to the seca world and to the world of art, where there are absolutely no limits.