

Medical Body Composition Analyzer

seca
Precision for health

seca mBCA 554

- + Unique accuracy through whole body MRI validation (skeletal muscle mass) and 4C model (fat mass)
- + Handrail with fixed handle positions: Measurements are reproducible and reliable
- + Validation studies are bundled and transparently published in the European Journal of Clinical Nutrition 2013/2017, among others
- + Comprehensive, personalized normal ranges based on over 3,000 multiethnic subjects
- + Foot-mounted LEDs embedded in the platform show the various positions and give patients a sense of safety and orientation
- + Cloud-based software with easy understandable graphics guarantees a complete picture of the body composition
- + Specially developed formulas for children over 5 years and 51 inches /1.30 m as well as people over 65 years and patients with obesity
- + Optional: Precise and contactless height measurement in seconds using the latest ultrasonic technology
- + EMR-validated: transmit measured data directly to an electronic medical record system or printer



Optional available with ultrasonic height measurement seca 257

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A cloud-based bioimpedance analysis does the work for you

Thanks to the cloud-based software, all IT administrative tasks such as storing, managing and backing up data are handled for you, leaving you with more time for your patients. Sensitive patient data is transmitted and saved in an encrypted form and protected from third-party access. The parameter templates can be customized and tailored to specific questions and thematic priorities.

Developed in conjunction with medical users

Years of experience from research collaborations and working together with medical specialists guarantee the highest precision and accuracy exemplified in the seca mBCA 554. Validated by medical studies, the analyzer provides modern, cloud-based software, and optional innovative length measurement with ultrasound technology. With its improved graphic analysis, it draws an accurate and comprehensive picture of the body's composition in seconds and makes bioimpedance analysis an even more valuable support for therapy and diagnosis.



Every body component validated to the gold standard

The seca mBCA is validated as the only BIA solution for all components with the most accurate reference method (gold standard). This includes the complex comparison with a whole-body MRI for muscle mass and, with the 4C model, for fat mass or fat-free mass. In order to give the user absolute certainty about the reliability of the measurement results, our validation studies are published transparently and in a combined form in peer-reviewed journals.

mBCA

Capacity	300 kg / 800 lbs
Graduation	50 g / 0.1 lbs
Display type	4.3" tiltable and rotatable touchscreen
Connectivity	Wi-Fi, Ethernet
Ports	USB for barcode scanner
Measurement method	8-point Bioelectrical Impedance Analysis
Measurement current	100 µA
Measurement duration	24 seconds
Software	seca analytics 125
Accessories	+ Ultrasonic height measurement seca 257 + Ultrasonic height measurement (short) seca 257 sh + Barcode scanner mount seca 463

Order code **ON IHM INT NN**

- + BIA platform seca mBCA 554
- + BIA handrail seca mBCA 550