

# seca mBCA 525

## medical Body Composition Analyzer

**new**

- Measurement of fat, water, muscle and other body parameters in lying position.
- Perfect for mobile use at only 6.6 lbs with long-lasting rechargeable battery.
- Wi-Fi connection between measuring mat and monitor guarantees reliable data transmission.
- Easy-to-understand graphic presentation of measurement results on the touchscreen monitor.
- Internal storage for results of approximately 100,000 measurements.
- The only body composition analyzer designed for medical use and validated against the Four Compartment Model – the gold standard\* for fat-free mass estimation.



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

# seca mBCA 525 –

## New development in lying measuring: mobile mBCA for medical body composition analysis.

The vital functions of immobile patients in particular have to be monitored at all times. The seca mBCA 525 was developed for just this application. Lightweight and compact, the device is equipped with its own Wi-Fi for immediate entry in available networks. The sophisticated technology delivers reliable and reproducible medical data and stores the results internally. The seca mBCA 525 is ideal for mobile use by Registered Dietitians treating bedridden patients or for use in intensive care in the hospital.

### Technical Data

#### General

|                     |   |
|---------------------|---|
| Dimensions (WxHxD)  | 9.9 x 10.3 x 9.1" / 252 x 262 x 230 mm                              |
| Weight              | 6.6 lbs / 3 kg  |
| Display             | 7" touchscreen-display  |
| Power supply        | power adapter, rechargeable battery                                 |
| Voltage             | 100 V–240 V   |
| Power frequency     | 50 Hz–60 Hz   |
| Interfaces          | Wi-Fi, Ethernet, USB 2.0, seca 360° wireless technology             |
| Compatible printers | laser printer and inkjet printer via PC software seca analytics 115 |

#### Bioelectrical Impedance Analysis

|                               |  |
|-------------------------------|--|
| Measurement method            | 8-point Bioelectrical Impedance Analysis   |
| Type of electrode             | adhesive electrodes (PVC-free)   |
| Measurement frequencies       | 1; 2; 5; 10; 50; 100; 200; 500 kHz   |
| Measurements                  | Impedance (Z), Resistance (R), Reactance (Xc), Phase angle ( $\phi$ )                  |
| Phase angle measurement range | 0° to 20°  |
| Measurement range Impedance   | 10 $\Omega$ to 1,000 $\Omega$  |
| Measurement segments          | Right arm, left arm, right leg, left leg, right half of body, left half of body, torso |
| Measurement current           | 100 $\mu$ A  |
| Measurement time              | 30 seconds   |

#### Information

The patient monitor is equipped with seca 360° wireless technology and can receive data from the following devices:

- seca scales in seca 360° wireless system (weight)
- seca height measuring systems in seca 360° wireless system (height)
- seca measuring stations in seca 360° wireless system (weight and height)

#### Included with

Monitor, measuring mat, PC software seca analytics 115 (one workstation license), power adapter, electrode starter set

#### Accessories

seca 475 mobile stand, seca 432 carrying case

