seca mBCA 515
medical Body Composition Analyzer

- Fast and easy assessment of body composition, e.g., fat mass and body water.
- Six modules for varied analysis of measurement data.
- Medically precise, validated against gold standard measurement results.
- Network-compatible with seca 360° wireless technology.
- Simple and convenient entry and read-out of results on swiveling touch-screen display.
- Electrodes on handrail give patients a firm stance and ensure reproducible results.
- Integrated scale with a weighing capacity of up to 300 kg.
The medical Body Composition Analyzer (mBCA) from seca breaks down weight into several compartments that are important for medical purposes. The seca mBCA 515 is a medical body composition analyzer validated against the gold standard recognised by medical science.

### seca mBCA 515:
A body composition analyzer that delivers medically precise results.

### Technical Data

#### 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
- **Voltage:** 100 V–240 V
- **Power frequency:** 50 Hz–60 Hz
- **Calibration class:**
- **Interfaces:** seca 360° wireless technology, USB 2.0, Ethernet
- **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
- **Type of electrode:** Stainless steel, three (3) pairs of hand electrodes, two (2) pairs of foot electrodes
- **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
- **Impedance (Z), Resistance (R), Reactance (Xc), Phase angle (φ):**
- **Phase angle measurement range:** 0° to 20°
- **Measurement range Impedance:** 10 Ω to 1,000 Ω
- **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:** All modes at frequencies of 5 kHz and 50 kHz (max. 20 seconds), All modules at all frequencies (max. 90 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

#### Information
- **This device is equipped with a wireless module which permits wireless transmission of measurements for analysis and documentation purposes.**
- **Data can be transmitted to the following devices:**
  - seca 360° wireless printer
  - PC with seca USB wireless module
- **The device can receive data from the following devices:**
  - seca measuring rods and measuring stations in the seca 360° wireless System
  - PC with seca USB wireless module
- **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**

#### Accessories
- **PC software seca analytics 115**