

seca mBCA 514

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.

seca mBCA 514:

A body composition analyzer that delivers medically precise results.

The medical Body Composition Analyzer (mBCA) from seca breaks down weight into several compartments that are important for medical purposes. The seca mBCA 514 is a medical body composition analyzer validated against the gold standard recognised by medical science.



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
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
Measurements	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

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

