seca mBCA 515

medical Body Composition Analyzer III

EMR Integration

- 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 TCP/IP (LAN).
- 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®
Precision for health

seca mBCA 515:

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 515 is a medical body composition analyzer validated against the gold standard recognised by medical science.

Technical Data

General	
Dimensions (W x H x D)	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	(III)
Interfaces	Ethernet
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	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. 17 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
Accessories	
	PC software seca analytics 115 (with one workstation license included)

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