

InBalance 200

Body Composition Analyzer

Anytime, Anywhere.. Real Smart "InBalance"

InBalance 200 is a Body Composition Analyzer which can access the data anytime, anywhere via app or web.



ASTERASYS



Anytime, Anywhere. Real Smart "InBalance 200"

Smart in Every Sense! Experience of Convenience!!

Rich Information in Simple Form!



Perfect Basics in Body Composition Analysis

- » Overall obesity diagnosis using BMI & body fat mass ratio
- » Waist-hip ratio & Visceral fat area analysis
- » Segmental analysis for fat & muscle
- » Well-formatted display with easy data recognition
- » Observation of changing trend by accumulated data management



Conveniences for Both of User and Admin

- * InBalance 200 app is available at Apple App Store and Google Play Store.
- » Intuitive UI for self measurement
- » Offering overall data for easy understanding
- » Measured data management by user registration
- » Offering App for membership management, for administrator in hospitals or for trainers in the gym (Optional)



Connectivity Makes it Smart

- * InBalance 200 app is available at Apple App Store and Google Play Store.
- » Internet connectivity via WiFi
- » Wireless WiFi printer supported
- » Web & mobile app supported based on cloud service
- » Designed based on standard API for other healthcare service platform to be integrated.



App & Web Service Smart Device.

- » Registered user can access the recorded measuring data anywhere, anytime.



Ergonomic Design

- » Tablet holder and fixed hand grips are ergonomically designed to offer comfortable measuring posture to everybody.



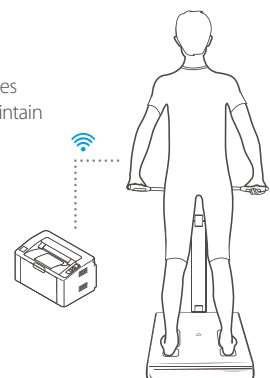
Screen Configuration for Self-Use

- » Intuitive display UI enables users to measure without assistance.



Auto Update

- » Keep the unit updates automatically to maintain ultimate working condition.



High Performance with Cost Effectiveness!

InBalance 200 is Enough for Most Applications.



InBalance 200 is a real portable and foldable body composition analyzer based on 2 frequencies(50kHz, 250kHz), segmental BIA (Bioelectrical Impedance Analysis). It is connected to any smartphone or tablet with Bluetooth connection. User's own smartphone or tablet could be used with InBalance App, which is available in Apple App Store and Google Play Store.

Rich Information in Simple Form

Accurate Body Composition Analysis

InBalance 200 offers precise analysis of body compositions in consideration of individual weight, height, gender, age, and diagnose obesity.

Precise Measurement Using Multiple Frequencies

InBalance 200 uses 2 frequencies (50kHz, 250kHz), and offers actual impedance value.

Tetrapolar 8-point tactile BIA method

4 each tactile points in hands and foots, and 2 frequencies provide more precise analytic results.



▲Device connectivity



▲Analysis



▲Body Composition Analysis



▲History to check the changes



Rich Information in Simple Form

Body Composition Analyzer
ASTERASYS

ID	Gender	Age	Height	Weight	Date
bio1234	woman	28	157.1cm	54.9kg	2018.06.22 12:30

01 Body Composition Analysis () Standard, Unit: kg

Item	Values	
Body Water	27.7 <small>(26.4-32.2)</small>	Quantity of Water in the Body
Protein	7.4 <small>(7.1-8.7)</small>	Essential Elements to the Body Structure
Mineral	2.71 <small>(2.44-2.98)</small>	Elements of the Body Skeleton and Structure
Body Fat Mass	17.1 <small>(10.4-16.6)</small>	Quantity of Fat in the Body

05 Overall Score

Grade

4/5

Hidden Obesity
Obesity
Extreme Obesity

Fatty Under Weight
Fatty Standard Weight
Fatty Over Weight

Under Weight
Standard Weight
Standard Over Weight

Emaciation
Low-Fat Muscle
Muscular Over Weight

02 Obesity Diagnosis

	(kg/m ²)	(%)	(%)
Over			
Normal			
Under			
Item	BMI <small>Body Mass Index</small>	PBF <small>Percent Body Fat</small>	Obesity Degree
Values	24.8	29.7	66.7
Normal Range	18.5-23.0	18.0-28.0	18.0-23.2

03 Skeletal Muscle & Fat Mass Analysis

	(%)	(%)	(%)	(%)	(%)
Over					
Normal					
Under					
Item	Weight	Body Fat Mass	Fat Free Mass	Muscle Mass	Skeletal Muscle Mass
Values	113.5	119.5	121.5	82.5	89.5
	kg	kg	kg	kg	kg
Normal Range	44.0-59.6	10.4-16.6	33.6-43.0	33.8-41.4	19.5-23.9

04 Segmental Analysis

Left Arm: Nomal

Right Arm: Nomal

Trunk: Nomal

Left Leg: Over

Right Leg: Nomal

Overall: Fat

Left Arm: Nomal

Right Arm: Nomal

Trunk: Nomal

Left Leg: Under

Right Leg: Nomal

Overall: Muscle

06 Weight Control

Standard Weight	51.5 kg
Normal Weight	51.7 kg
Weight Control	-3.2 kg
Fat Control	-5.2 kg
Muscle Control	0 kg

07 Calorie Control

Basal Metabolic Rate	1280 kcal
1 Day Required Calories	2060 kcal
1 Day Recommended Calories	1990 kcal

08 Data History

	BMI (kg/m ²)	Weight (kg)	BFM (%)	SMM (kg)
2018.06.21	24.8	54.9	29.7	19.3
2018.05.17	24.9	55.1	29.8	19.5
2018.04.18	25.4	55.5	23.2	19.7

09 Impedance

	RA	LA	TR	RL	LL
50Hz	258.9	276.4	24.1	223.4	237.9
250Hz	227.8	243.3	21.2	196.6	209.4

Remarks

Copyright © ASTERASYS Co.,Ltd. All Rights Reserved.



Rich Information in Simple Form

01

Body Composition Analysis

The human body consists of body water, protein, minerals, and body fat. We measure and present masses of these data in the result to analyze the body compositions are well balanced. Standard values by calculation based on the age and height also presented underneath in parenthesis to compare with actual measured result.

02

Obesity Diagnosis

BMI, percent body fat and obesity degree are analyzed for obesity diagnosis.

03

Skeletal Muscle Mass & Fat Mass Analysis

Body fat mass, fat free mass, muscle mass and skeletal muscle mass are presented.

04

Segmental Analysis

Fat and muscle mass of the 5 different segments (trunk, arms and legs) in comparison with standard values are presented.

05

Overall Score

The outcome of measured data is shown as a point out of 100 and a grade 1 to 5 for simple and easy understanding.

06

Guide for Weight Control

The weight control should be based on height, measured fat mass and muscle mass, which can be used to set proper goal of weight.

07

Guide for Calorie Control

Information of basal metabolic rate and recommended daily calorie is useful to control daily food consumption and calorie intake.

08

Data History to check the changes

The 5 recent measuring data is listed by its own recording function, which is useful information to maintain weight control.



InBalance 200 Specification

Measuring Method	Multi Frequency, Segmental Bioelectrical Impedance Analysis using 2 different frequencies(50kHz, 250kHz) to measure 20 impedances of 5 body segments (trunk, left arm, right arm, left leg, right leg)
Electrode Method	Tetrapolar 8-point tactile electrodes
Measuring Items	Body Water (Intra-Cellular Fluid, Extra-Cellular Fluid), Mineral, Protein, Body Fat Mass, Fat Free Mass, Weight, Muscle Mass, Skeletal Muscle Mass, Segmental Muscle Mass, BMI(Body Mass Index), Percent Body Fat, Obesity Degree, Waist-Hip Ratio, Visceral Fat Area, Figure type, Body Ratio, Basal Metabolic Rate, Recommended Weight Control, Recommended Fat Control, 1 Day Required/ Recommended Calories, Overall Score, Abdomen Diagnosis, Measuring History, Impedances for each frequency.
Measuring Range for Age	5 to 99 years
Measuring Range for Weight	10 to 250 kg, 22 to 551 pounds
Measuring Time	Within 10 seconds
Display	Links to tablet
Data Storage	Measured data can be stored after login 100,000 times (off-line, using built-in memory), unlimited (online, cloud)
Communication Interface	USB 1 Port, Bluetooth
Mains (Power)	100-240V~, 50/60Hz
Current for Measuring Impedance	500 μ A (rms)
Weight	10.3 kg / 22.7 lbs
Dimension(WxDxH)	490 X 380 X 970 mm / 19.3 X 15 X 38.2 inch



ASTERASYS

ASTERASYS Co., Ltd.

Factory : #1409, Biz-Center, 124, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
Sales & R&D Center : #1005, 25 Seongsuil-ro 4-gil, Seongdong-gu, Seoul, Korea
 TEL : +82-2-1833-7010 / FAX : +82-2-6953-0599 / E-mail : info@asterasys.com
www.asterasys.com

ASTERASYS Inc. / Daihan Biomedical Inc.

12916 Dupont Circle, Tampa FL 33626, USA
 Tel : +1-727-216-6287 / E-mail : info.US@asterasys.com

ASTERASYS China

Rm 3H-12, Ouyin Center, No.6 Building, #1369 Wuzhong Rd, Minhang District, Shanghai, China
 Tel : +86-21-6728-5201

©2019. All rights reserved. ASTERASYS it's logo and Inbalance, InBalance 200 is trademarks or registered trademarks of the ASTERASYS of Companies. Specifications are subject to change without notice. This product or the use of this product is covered by one or more US and foreign patents or patent applications pending.
Overseas Only