

Helping you improve body balance

InBalance 300

Smart
Segmental
Multi Frequency
Easy-to-Use

Body Composition Analyzer

Measuring ...
Weight, Total Body Water,
Fat Mass, Muscle Mass,
BMI, and more
based on **Bioelectrical Impedance Analysis**

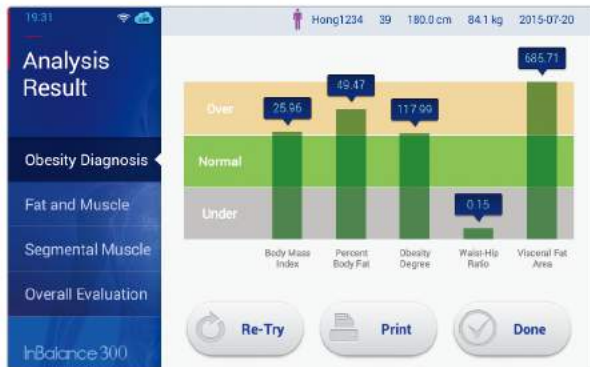
Moreover, InBalance itself is a **Smart device**
with WiFi connectivity and Cloud service,
which enables to check the measuring
records using mobile phone or PC
anywhere, at any time.



High performance with Cost effectiveness !!

InBalance 300 is enough for most applications

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

ID	Hong1234
Age	39
Gender	<input checked="" type="checkbox"/> M <input type="checkbox"/> F
Weight (kg)	84.1
Height (cm)	180.0

- Wide scale(10.1") touch screen LCD for user convenience
- 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



- Automatic upgrade of the built-in software
- Internet connectivity via WiFi and LAN
- Wireless (Bluetooth, WiFi) printer supported
- External interface for interconnection with other devices (BP monitor, stadiometer, exercise equipment and so on)
- Web & mobile app supported based on cloud service
- Simple membership management using RFID or barcode
- Designed based on standard API for other medical devices and healthcare services to be connected to the same Smart Healthcare Platform

The Result Sheet

Body Composition Analyzer

InBalance 300

ID	Gender	Age	Height	Weight	Date
Daihan	Male	34	170.0cm	75.0kg	2015.08.10

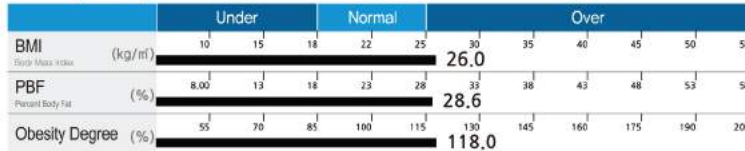
1 Body Composition Analysis () Standard

Measure	Body Water	Muscle Mass	Fat Free Mass	Weight
ICF <small>Intra-Cellular Fluid</small> (l)	39.18 <small>(31.79-43.23)</small>	49.9 <small>(44.8-54.75)</small>	53.5 <small>(48.07-58.75)</small>	75.0 <small>(54.04-73.12)</small>
ECF <small>Extra-Cellular Fluid</small> (l)				
Protein (kg)	10.7 <small>(7.63-9.54)</small>			
Mineral (kg)	3.64 <small>(3.69-3.81)</small>			
Body Fat Mass (kg)	21.5 <small>(8.14-13.22)</small>			

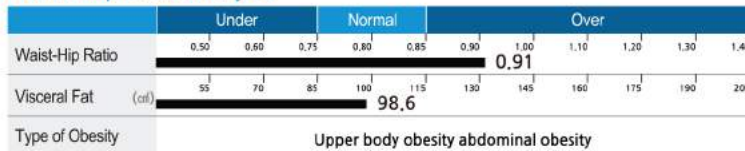
2 Skeletal Muscle & Fat Mass Analysis



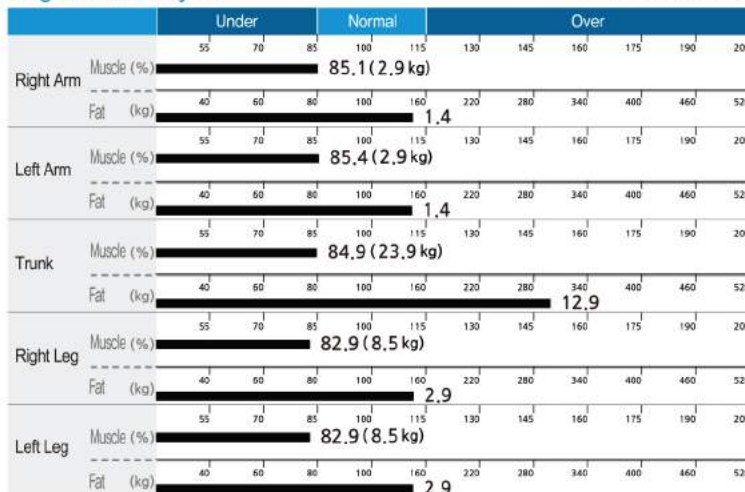
3 Obesity Analysis



4 Waist-Hip Ratio Analysis



5 Segmental Analysis ■ Muscle Based standard W



DAIHAN Biomedical

14, Dogok-ro 2-gil, Gangnam-gu, Seoul, Korea
Tel. +82-2-6927-0441 Fax. +82-2-6927-0499

6 Overall Assessment
73/100
Average Health
Grade 3/5

7 Body Composition Ratio

Overfat (Abdomen Obesity)

Mineral	5.5-6.0%	5%
Protein	12.0-15.0%	14%
Fat	12-20%	29%
TBW	50-68%	52%

8 Weight Control 9 Calorie Control

Standard Weight	63.6kg	Basal Metabolic Rate	1526kcal
Normal Weight	63.7kg	1 Day Required Calories	2289kcal
Weight Control	-11.3kg	1 Day Recommended Calories	2010kcal
Fat Control	-11.3kg		
Muscle Control	0.0kg		

Impedance

	RA	LA	TR	RL	LL
5kHz	368.3	361.8	34.4	264.0	264.2
50kHz	324.3	321.0	26.5	231.1	230.5
100kHz	306.3	303.5	26.5	218.4	217.8
250kHz	273.6	272.8	23.5	193.5	197.2

10 Data History

	BMI(kg/m ²)	W(kg)	BFM(%)	SMM(kg)
2015.08.11	127	84.1	257.0	121.0
2015.08.10	25.95	75.0	28.6	29.2
2015.08.03	25.66	74.2	27.4	29.4
2015.08.03	25.67	74.2	27.4	29.4
2015.08.03	25.66	74.2	27.1	29.5

Remarks

Rich Information in Simple Form

1 Body Composition Analysis

Body composition data is offered in comparison with average values of standard range.

3 Obesity Analysis

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

5 Segmental Analysis

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

7 Body Composition Ratio

Body water, protein, mineral and fat free mass are shown with standard range.

9 Guide for Calorie Control

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

2 Rich Information about Fat & Muscle

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

4 Abdominal Diagnosis

Determination of abdominal obesity type by measuring waist-hip ratio and visceral fat.

6 Overall Assessment

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

8 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.

10 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.

Accuracy from Precision.

Accurate Body Composition Analysis

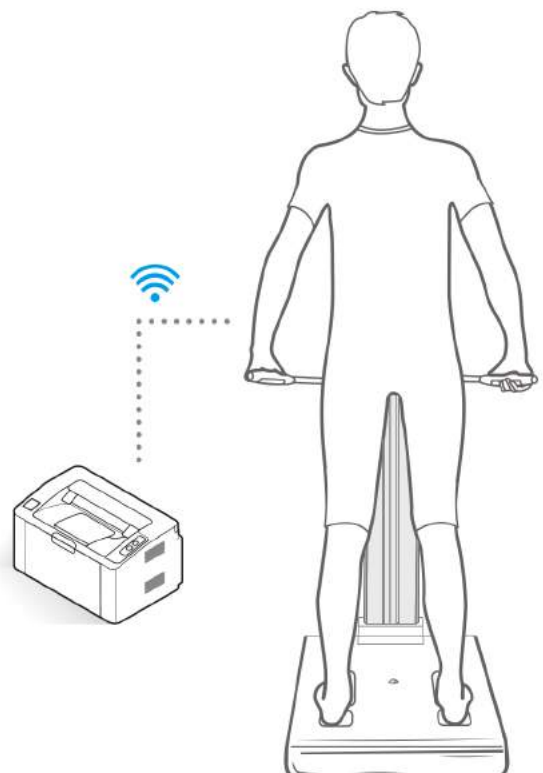
InBalance offers precise analysis of body compositions in consideration of individual weight, height, gender, age, and diagnose obesity.

Precise Measurement using Multiple Frequencies

InBalance uses 4 frequencies (5kHz, 50 kHz, 100kHz, 250kHz), and offers actual impedance value.

Tetrapolar 8-point tactile BIA method

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



Real Smart “InBalance”

Smart in every sense! experience of convenience!!

Network Internet via WiFi, LAN



Built-in WiFi and LAN offers wire/wireless Internet connectivity.

App & Web Service Smart device



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

UI Screen configuration for self-use



10.1” wide touch screen with intuitive UI enabling measure without assistance.

Design Ergonomic design



Wide Display and fixed hand grips are ergonomically designed to offer comfortable measuring posture to everybody.

Smart Healthcare Platform



InBalance is designed on the basis of Smart Healthcare Platform offering standard API and cloud service, so can be connected to other devices or services.

Auto Update Always latest S/W



Keep the unit updates automatically to maintain ultimate working condition.

The best solution for chains of fitness center & gym



Thanks to above smart features, smart member management is available in a gym, and in particular, gym chains with an optional mobile app supplied by third-party supplier.

- Easy sign-in using a bar code displayed on app
- The measuring result is displayed right away on the app, and/or on the web, and is saved automatically on the gym server and/or in service cloud
- In case of the gym chains, the measuring records could be checked in any gym of the chains
- Various kind of exercise and dietary recommendation is available on the app and/or web

InBalance 300 Specification

Measuring Method	Multi Frequency, Segmental Bioelectrical Impedance Analysis using 4 different frequencies (5kHz, 50kHz, 100kHz, 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
Measuring Time	Within 60 seconds
Display	10.1" IPS Panel with capacitive touch, resolution of 1280 x 800 pixels
Data Storage	Measured data can be stored after login 100,000 times (off-line, using built-in memory), unlimited (online, cloud)
Communication Interface	USB (x4), WiFi, LAN, RS232C (x2), Bluetooth (optional, using USB)
Mains (Power)	100-240V~, 50/60Hz
Current for Measuring Impedance	500 μ A (rms)
Electricity Consumption	25VA
Smart Function	If connected to InBalance Cloud Service by user registration and login, all the measuring history could be checked using InBalance App (Android, iOS) and web service