

# InBody270

Great precision for flexible solution



## **Modern**

Ergonomic design for  
efficient workflow

## **Standard**

The archetype of  
body composition test

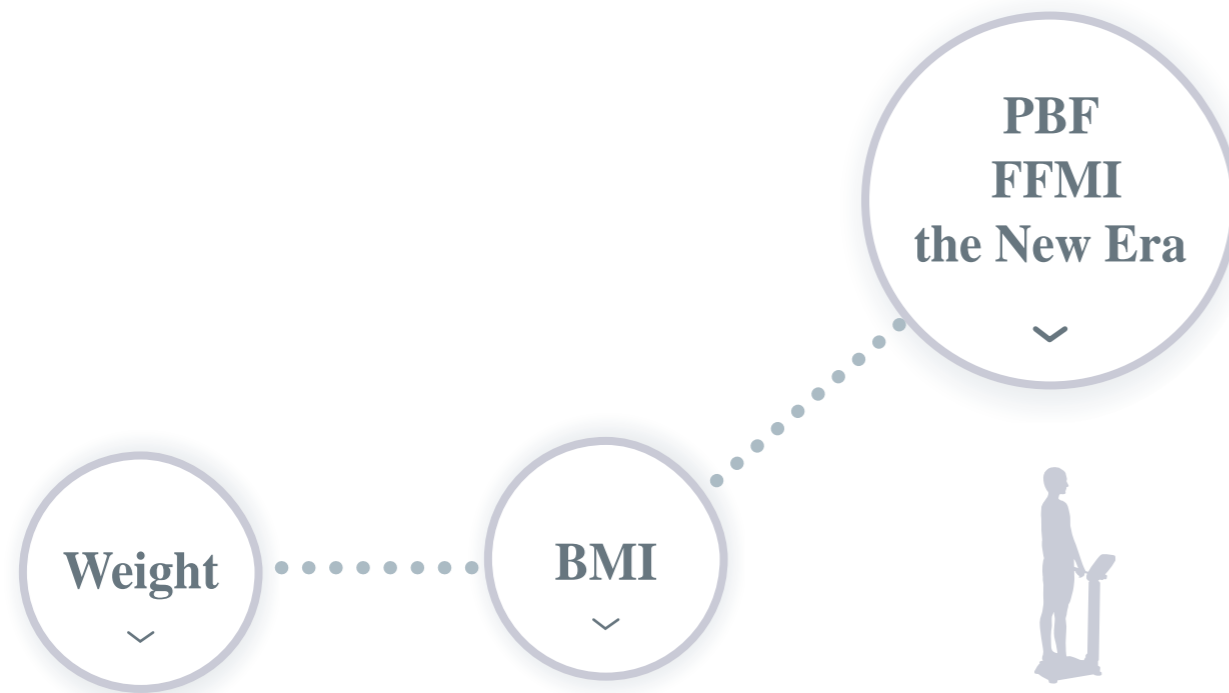
## **Reliable**

Proven and reliable  
performance

# The evolution of health indicator

## Paradigm shift of your health indicator

While its simplicity and inexpensiveness of BMI, it often faced vigorous debate of evaluating health. Medical professionals reorganized that it is not enough to evaluate health by only considering people's weight and height. Therefore, people start to think inside of the body - Body Composition. Based on that the concept of FFMI emerged which means how much of fat free mass you have inside of your body and it is now considered as a new standard of health evaluation.



After using weight scale to measure human body, people started to think of weight and health together

BMI provided whether you are underweight normal, or overseight by only using height and weight.

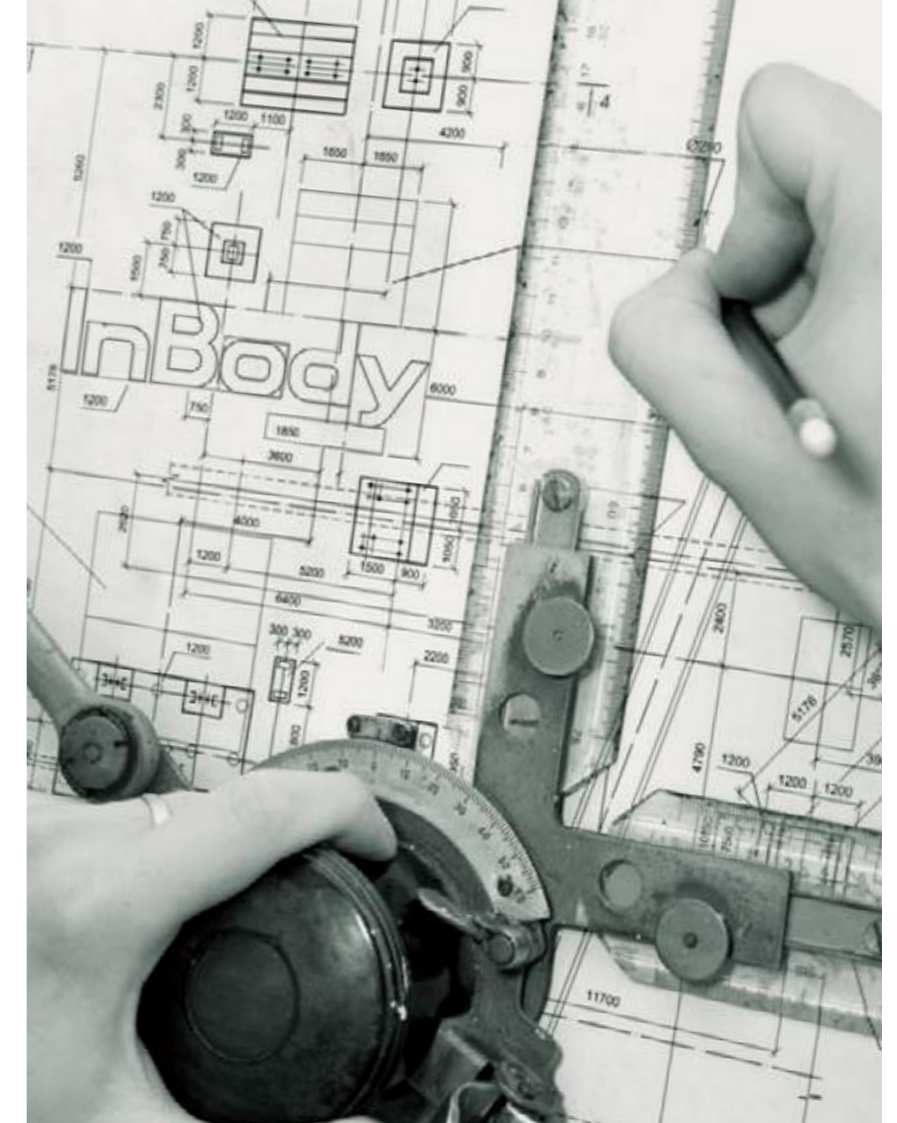
$$\text{BMI} = \frac{\text{weight (kg)}}{\text{height}^2 \text{ (m}^2\text{)}}$$

### PBF(Percent Body Fat)

Percent Body Fat (PBF) is the percentage of body fat compared to body weight. An actual obese status can be known through PBF.

### FFMI (Fat Free Mass Index)

Fat Free Mass Index (FFMI) is calculated by dividing Fat Free Mass by height squared. This index can be used for monitoring FFM



## Brand Story

Since InBody established in 1996, we have strived to operate as an excellent, 21st-century company by fulfilling our corporate mission of contributing to society with world-leading technology.

We will continue to support the growth of society with highly value-added products and services, facing all challenges and meeting your expectations with a deep sense of responsibility.

InBody continues to grow day after as we don't look for a big success at a time but all time we are trying to pile up small achievements.

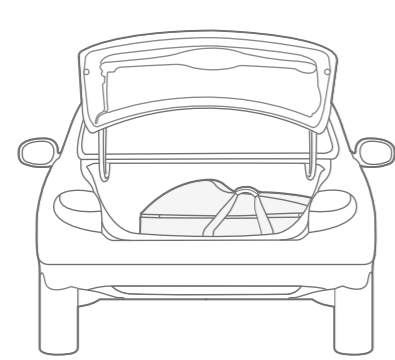
InBody is dedicated to inspiring, leading people to live a healthier life. Going forward, we will continue to follow our motto —“Makes Life Better”— while steadfastly adhering to our guiding principles of passion, effort and innovation. We ask for your continuing encouragement and support.



## Timeless styling, yet significant changes in features

The all new InBody270 is now more elegant and premium than ever before. Its silhouette, combined with clean lines and high-class design elements provides a truly impressive appearance.

# InBody270 Smart Usage Flow



## Carrying Bag\*

Maximization of portability and prevention of damage and malfunction during transportation.



## Convenient Transportation



## Easy Installation

**Foldable structure**  
Simple foldable structure for easy installation and safe relocation.



## Barcode Reader

Quick member registration and ID number input available with barcode reader.

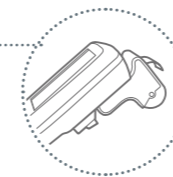
## Personal Data Input



## Lookin'Body120\*

Data management software for patient health care run by wireless transmission.

## Data Management and Consultation



## Results sheet

Abundant information printed by printer and thermal printer\*.

## Results Sheet printing



## Touch Screen

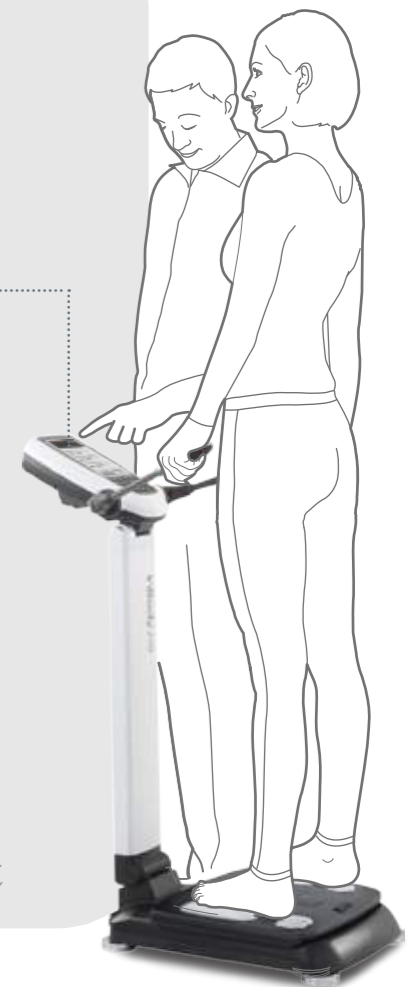
User-friendly interface through both touch screen and keypad.

## Voice guidance

Step-by-step posture guide for complete measurement.

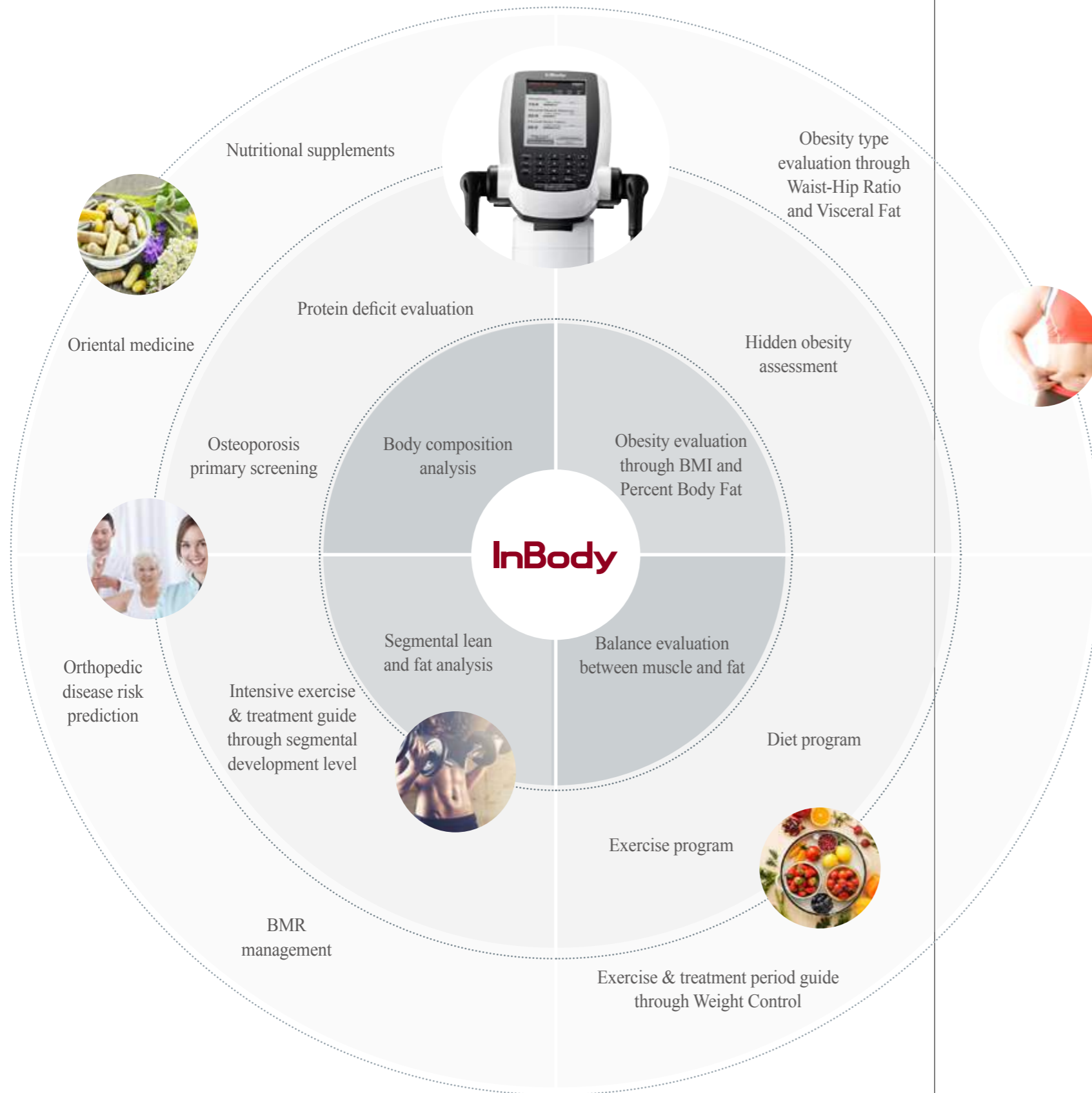


## InBody Test



\* Carrying Bag, Thermal Printer and Lookin'Body120 are optional items

# InBody Applications



InBody Test results can be used as an indicator for proper prescription by monitoring your health status in many areas such as obesity, nutrition, rehabilitation, etc. To provide a smart healthcare service based on high technology, and to help everyone live a healthier life. That's the great mission of InBody.

# InBody Results Sheet

Parameters on the right part of results sheet can be displayed as optional, depending on the customers' needs. You can select and print Nutrition Evaluation, Body Balance Evaluation, Waist Circumference and Blood Pressure data in addition to items displayed in the results sheet.

**1 Body Composition Analysis**  
Body weight is the sum of Total Body Water, Protein, Minerals, and Body Fat Mass. Maintain a balanced body composition to stay healthy.

**2 Muscle-Fat Analysis**  
Compare the bar lengths of Skeletal Muscle Mass and Body Fat Mass. The longer the Skeletal Muscle Mass bar is compared to the Body Fat Mass bar, the stronger the body is.

**3 Obesity Analysis**  
BMI is an index used to determine obesity by using height and weight. PBF is the percentage of body fat compared to body weight.

**4 Segmental Lean Analysis**  
Shows how well developed your muscle is for each part of the body. See where you should work on more.

**5 Segmental Fat Analysis**  
You can check and manage fat mass on each segmental part of the body. Monitor each part of Percentage Body Fat and try to keep them in 'Normal' range.

**6 Body Composition History**  
Track the history of the body compositional change. Take the InBody Test periodically to monitor your progress.

**7 InBody Score**

## InBody

[InBody270]

ID	Height	Age	Gender	Test Date & Time	TEL:02-501-3939 FAX:02-501-2716
Jane Doe	156.9cm	51	Female	2015.01.04. 09:46	

**1 Body Composition Analysis**

Total amount of water in body	<b>Total Body Water</b>	(L)	27.5 (26.3 ~ 31.4)
For building muscles	<b>Protein</b>	(kg)	7.2 (7.0 ~ 8.6)
For strengthening bones	<b>Minerals</b>	(kg)	2.63 (2.44 ~ 2.98)
For storing excess energy	<b>Body Fat Mass</b>	(kg)	21.8 (10.3 ~ 16.5)
Sum of the above	<b>Weight</b>	(kg)	59.1 (43.9 ~ 59.5)

**2 Muscle-Fat Analysis**

	Under	Normal	Over	
<b>Weight</b> (kg)	55 70 85 100 115 130 145 160 175 190 205 %	59.1		
<b>SMM</b> (kg)	70 80 90 100 110 120 130 140 150 160 170 %	19.6		
<b>Body Fat Mass</b> (kg)	40 60 80 100 160 220 280 340 400 460 520 %	21.8		

**3 Obesity Analysis**

	Under	Normal	Over	
<b>BMI</b> (kg/m <sup>2</sup> )	10.0 15.0 18.5 21.0 25.0 30.0 35.0 40.0 45.0 50.0 55.0	24.0		
<b>PBF</b> (%)	8.0 13.0 18.0 23.0 28.0 33.0 38.0 43.0 48.0 53.0 58.0	36.9		

**4 Segmental Lean Analysis**

Left	Right
1.94 kg 98.1 % Normal	2.02 kg 102.2 % Normal
5.02 kg 80.6 % Under	5.20 kg 83.6 % Under
17.7 kg 95.4 % Normal	17.7 kg 95.4 % Normal

**5 Segmental Fat Analysis**

Left	Right
1.6 kg 183.0 % Over	1.5 kg 178.0 % Over
2.9 kg 130.0 % Normal	2.9 kg 130.0 % Normal
11.7 kg 240.0 % Over	11.7 kg 240.0 % Over

**6 Body Composition History**

Weight	65.3	63.9	62.4	61.8	62.3	60.9	60.5	59.1
SMM	20.1	20.0	19.7	19.7	19.8	19.7	19.8	19.6
PBF	41.3	40.7	39.2	39.0	39.4	38.6	37.8	36.9
Recent	13.10.10 09:15	13.12.30 09:40	14.02.02 09:35	14.04.15 11:01	14.05.12 08:33	14.08.10 15:50	14.10.15 08:35	12.01.04 09:46

**7 InBody Score**  
68 / 100 Points  
\* Total score that reflects the evaluation of body composition. A muscular person may score over 100 points.

**8 Weight Control**  
Target Weight: 51.7 kg  
Weight Control: -7.4 kg  
Fat Control: -9.9 kg  
Muscle Control: +2.5 kg

**9 Obesity Evaluation**  
BMI:  Normal  Under  Slightly Over  Over  
PBF:  Normal  Slightly Over  Over

**10 Waist-Hip Ratio**  
0.92  
Low 0.75 0.85 High

**11 Visceral Fat Level**  
12  
Low 10 High

**12 Research Parameters**  
Fat Free Mass: 32.5 kg  
Basal Metabolic Rate: 1176 kcal  
Obesity Degree: 114 % (90 ~ 110)  
Recommended calorie intake per day: 2000 kcal

**Calorie Expenditure of Exercise**

Golf	115	Gateball	131
Walking	148	Yogi	148
Badminton	150	Table Tennis	150
Tennis	197	Bicycling	197
Boxing	197	Racketball	197
Hiking, No load	229	Jumping Rope	235
Aerobics	235	Jogging	235
Soccer	235	Swimming	235
Japanese Fencing	250	Racketball	250
Squash	250	Taekwondo	250

**Results Interpretation QR Code**  
Scan the QR Code to see results interpretation in more detail.

**13 Impedance**  
RA LA TR RL LL  
Z(20) 20kHz: 379.6 392.7 26.8 306.8 316.1  
100kHz: 373.1 385.4 25.7 303.0 314.1

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**7 InBody Score**  
This score shows the evaluation of your body composition, which includes muscle, fat, and water in the body.

**8 Weight Control**  
See how your body measures up to the recommended Weight, Muscle Mass, and Body Fat Mass for a good balance. The '+' means to gain and the '-' means to lose.

**9 Obesity Evaluation**  
Evaluates obesity based on BMI and Percent Body Fat.

**10 Waist-Hip Ratio (WHR)**  
Waist-Hip Ratio is the ratio of waist circumference to hip circumference.

**11 Visceral Fat Level**  
Visceral Fat Level is an indicator based on the estimated amount of fat surrounding internal organs in the abdomen.

**12 Research Parameters**  
Various nutritional outputs are provided such as Fat Free Mass, Basal Metabolic Rate, Obesity Degree, Recommended calorie intake per day and more. To see a complete list, please scan the results interpretation QR code.

**13 Impedance**  
Impedance is the resistance value measured when electrical currents are applied throughout the body. Based on the measured data, key body composition outputs can be analyzed. Impedance is also used for many research purposes.

**The InBody Results Sheet for Children**  
Specially designed results sheet with Growth Graph is available for Children

## Thermal Results Sheet

You can select and print Total Body Water, Protein, Mineral and Waist Circumference data in addition to items displayed in the thermal results sheet.

### InBody

04/05/15 09:46

ID	Height	Age	Gender	Weight
Jane Doe	156.9cm	51	Female	59.1kg

**Weight** 59.1 kg

**Muscle Mass** 19.3 kg  
Mass of muscle attached to your bones. (Skeletal Muscle Mass)

**Body Fat Mass** 22.1 kg

**Percent Body Fat** 37.5 %  
Reference Range : Male adult 10~20%  
Female adult 18~28%

**BMI** 24.0 kg/m<sup>2</sup>  
Reference Range: Adult 18.5~25.0 kg/m<sup>2</sup>

**Basal Metabolic Rate** 1168 kcal  
Minimum number of calories needed to sustain life at a resting state.

**Waist Hip Ratio** 0.98  
Reference Range : Male adult 0.80~0.90  
Female adult 0.75~0.85

**Visceral Fat Level** 13  
Reference Range : 1~9

**Segmental Lean Analysis**

Left	Right
1.81 kg 90.2 % Normal	1.89 kg 94.1 % Normal
4.61 kg 72.8 % Under	4.70 kg 74.3 % Under
17.7 kg 95.4 % Normal	17.7 kg 95.4 % Normal

**Segmental Fat Analysis**

Left	Right
1.7 kg 190.0 % Over	1.7 kg 185.9 % Over
2.9 kg 126.7 % Normal	2.9 kg 127.4 % Normal
11.7 kg 240.0 % Over	11.7 kg 240.0 % Over

**InBody Score** 66 point

**Fat Control** - 10.0 kg

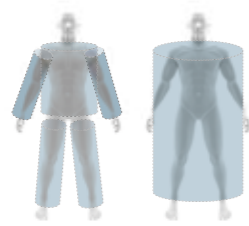
**Muscle Control** + 3.8 kg

373.1 385.4 25.7 303.0 314.1  
357.2 362.5 23.0 295.3 299.8  
307.9 322.9 20.4 263.3 272.7

InBody  
TEL:02-501-3939  
FAX:02-501-3978

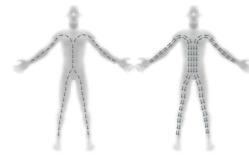
# InBody technology

The InBody has revolutionized the field of BIA (Bioelectrical Impedance Analysis) and is currently the most advanced product in the market. With a 98% correlation with gold standard body composition methods such as DEXA, the InBody is trusted by top hospitals, gyms, and professional sports teams because of its precision. The InBody is fast, accurate, and non-invasive.



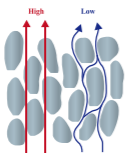
## DIRECT SEGMENTAL MEASUREMENT

Because the trunk contains the majority of lean body mass, an independent trunk measurement is required for an accurate measurement of muscle mass. InBody measures the impedance for each segment of the body directly.



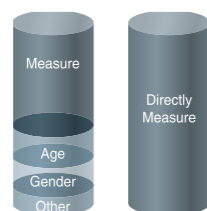
## SIMULTANEOUS MULTI-FREQUENCY (SMF-BIA)

Utilizing InBody's latest advancement in BIA, the patented SMF-BIA, InBody accurately measures ICW and ECW at the same time, reducing variances in your results from the water flow for a faster snapshot of your body composition.



## 8-POINT TACTILE ELECTRODE

8-point tactile electrodes with patented thumb technology contributes to the high reproducibility of InBody results



## NO USE OF EMPIRICAL ESTIMATIONS

The InBody only uses impedance directly acquired from each subject allowing the InBody to always produce correct results without use of empirical estimations, such as gender and age.

# InBody Cross-reference



InBodyS10



InBody770



InBody570



InBody370



InBody270

Frequency	1, 5, 50, 250, 500, 1000kHz	1, 5, 50, 250, 500, 1000kHz	5, 50, 500kHz	5, 50, 250kHz	20, 100kHz
<b>Results Sheet Outputs</b>					
Total Body Water	●	●	●	●	●
Protein	●	●	●	●	●
Soft Lean Mass	●	●	●	●	●
Minerals	●	●	●	●	●
Fat Free Mass	●	●	●	●	●
Body Fat Mass	●	●	●	●	●
Weight	●	●	●	●	●
Skeletal Muscle Mass	●	●	●	●	●
Body Mass Index	●	●	●	●	●
Percent Body Fat	●	●	●	●	●
Segmental Lean Analysis	●	●	●	●	●
Segmental Fat Analysis	●	●	●	●	●
Segmental ECW Ratio	●	●	●	●	●
ECW Ratio Analysis	●	●	●	●	●
Body Composition History	●	●	●	●	●
InBody Score	●	●	●	●	●
Body Type	●	●	●	●	●
Weight Control	●	●	●	●	●
Nutrition Evaluation	●	●	●	●	●
Obesity Evaluation	●	●	●	●	●
Body Balance Evaluation	●	●	●	●	●
Segmental Body Water Analysis	●	●	●	●	●
Segmental ICW Analysis	●	●	●	●	●
Segmental ECW Analysis	●	●	●	●	●
Segmental Circumference	●	●	●	●	●
Intracellular Water	●	●	●	●	●
Extracellular Water	●	●	●	●	●
Basal Metabolic Rate	●	●	●	●	●
Waist-Hip Ratio	●	●	●	●	●
Waist Circumference	●	●	●	●	●
Visceral Fat Level	●	●	●	●	●
Visceral Fat Area	●	●	●	●	●
Obesity Degree	●	●	●	●	●
Bone Mineral Content	●	●	●	●	●
Body Cell Mass	●	●	●	●	●
Arm Circumference	●	●	●	●	●
Arm Muscle Circumference	●	●	●	●	●
TBW/FFM	●	●	●	●	●
Fat Free Mass Index	●	●	●	●	●
Fat Mass Index	●	●	●	●	●
Recommended Calorie Intake	●	●	●	●	●
Calorie Expenditure of Exercise	●	●	●	●	●
QR Code	●	●	●	●	●
Reactance	●	●	●	●	●
Phase Angle	●	●	●	●	●
Impedance	●	●	●	●	●

## Key Specifications

BIA Measurement Item	Bioelectrical Impedance (Z) Measurements by Using 2 Different Frequencies at Each of 5 Segments (Right Arm, Left Arm, Trunk, Right Leg, and Left Leg)
Electrode Method	Tetrapolar 8-Point Tactile Electrodes
Measurement Method	Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method (DSM-BIA), Simultaneous Multi-frequency Impedance Measurement (SMF-BIA)
Body Composition Calculation Method	No Empirical Estimation

## Feature Specifications

Optional Equipment	Stadiometer from InBody, Blood pressure monitor from InBody, Thermal printer, SD400
Logo	Name, Address, and Contact information can be shown on the InBody Results Sheet.
Displaying Method	LCD Monitor, Data management software Lookin' Body
Type of results sheet	InBody Test results sheet, InBody Test results sheet for children, Thermal results sheet
Voice Guidance	Audible indication for test in progress, test complete, and successfully saved settings changes
Database	Test results can be saved if the member ID is utilized. Up to 100,000 results can be saved.
Test Mode	Self Mode, Professional Mode
Administrator Menu	Setup: Configure settings and manage data Troubleshooting: Additional information to help use the InBody
USB Thumb drive	Copy, backup, or restore the InBody test data (data can be viewed on Excel or Lookin'Body data management software)
Barcode Reader	The member ID will be automatically inputted when the barcode ID is scanned.

## Other Specifications

Applied Rating Current	200μA (±40μA)
Adapter	Manufacturer: BridgePower Corp. Model: BPM040S12F07 Power Input: AC 100 ~240V, 50/60Hz, 1.2A Power Output: DC 12V, 3.4A
Display Type	600 x 1024 7inch Color TFT LCD
Internal Interface	Touchscreen, Keypad
External Interface	RS-232C 1EA, USB HOST 2EA, USB SLAVE 1EA, LAN (10T) 1EA, Bluetooth 1EA, Wi-Fi 1EA
Compatible Printer	Laser/Inkjet Printers recommended by InBody * A list of printers compatible with the InBody can be found at <a href="http://www.inbodyservice.com">http://www.inbodyservice.com</a>
Dimension	356 (W) × 796 (L) × 995 (H): mm 14.0 (W) × 31.3 (L) × 39.2 (H) : inch
Equipment Weight	14kg (30.9lbs)
Testing Time	About 15 seconds
Operation Environment	10 ~ 40°C (50 ~ 104°F), 30 ~ 75% RH, 70 ~ 106kPa
Storage Environment	-10 ~ 70°C (14 ~ 158°F), 10 ~ 80% RH, 50 ~ 106kPa (No Condensation)
Testing Weight Range	10 ~ 250kg (22.0 ~ 551.2lbs)
Testing Age Range	3 ~ 99 years
Height Range	95 ~ 220cm (3ft. 1.4in. ~ 7ft. 2.61in.)

\* Specifications may change without prior notice.

# InBody

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InBody is a total healthcare device manufacturer that has acquired over 80 patent rights across the globe.



CE 0120



ISO13485



ISO9001



U.S. patent U.S. 5720296



Canada patent C.N. 2225184



Japan patent



Korea Food & Drug Administration



NAWI