

# InBody270

Great precision for flexible solution



## Modern

Ergonomic design for  
efficient workflow

## Reliable

Proven and reliable  
performance

## Standard

The archetype of  
body composition test

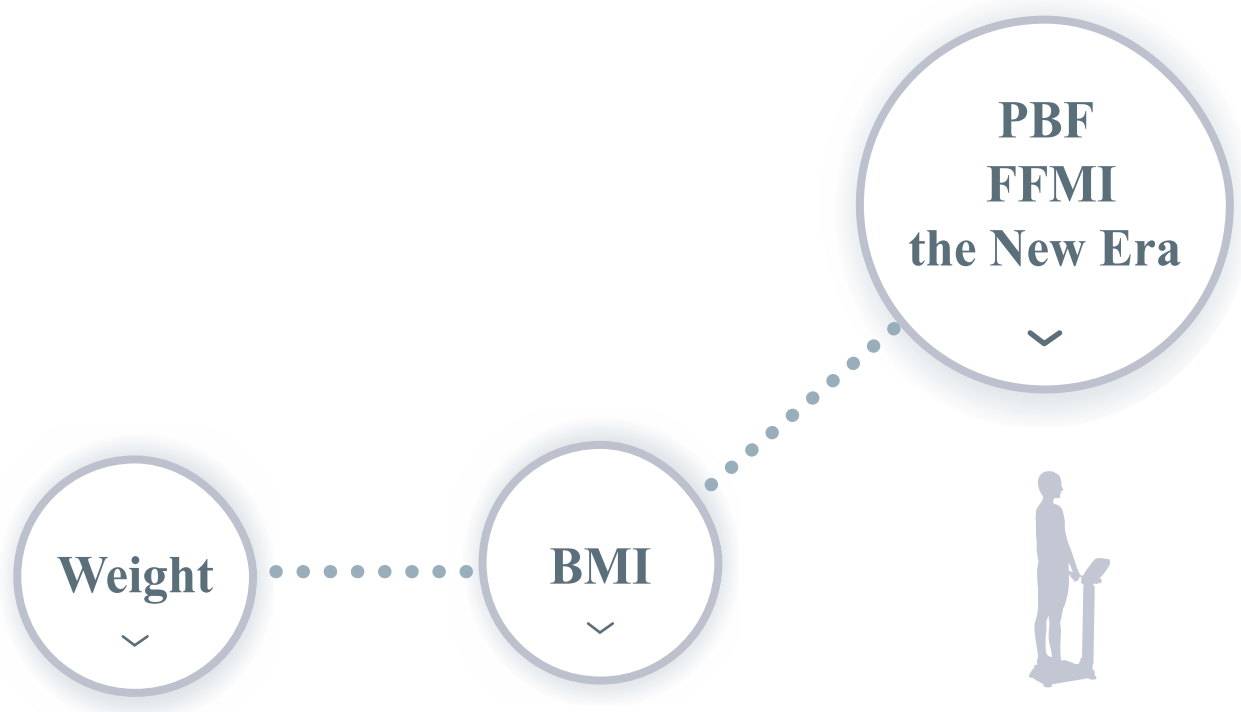
# The Evolution of Health Indicator

## Paradigm shift of your health indicator

While simple and inexpensive, BMI often faced vigorous debate regarding health evaluation.

Medical professionals recognized that it is not enough to evaluate health by only considering weight and height.

Therefore, people start to think inside of the body - Body Composition. Based on that, the concept of FFMI which means how much fat free mass you have inside of your body emerged 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 was the indicator of whether you are underweight, normal or overweight 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. Actual obese status can be known through PBF.

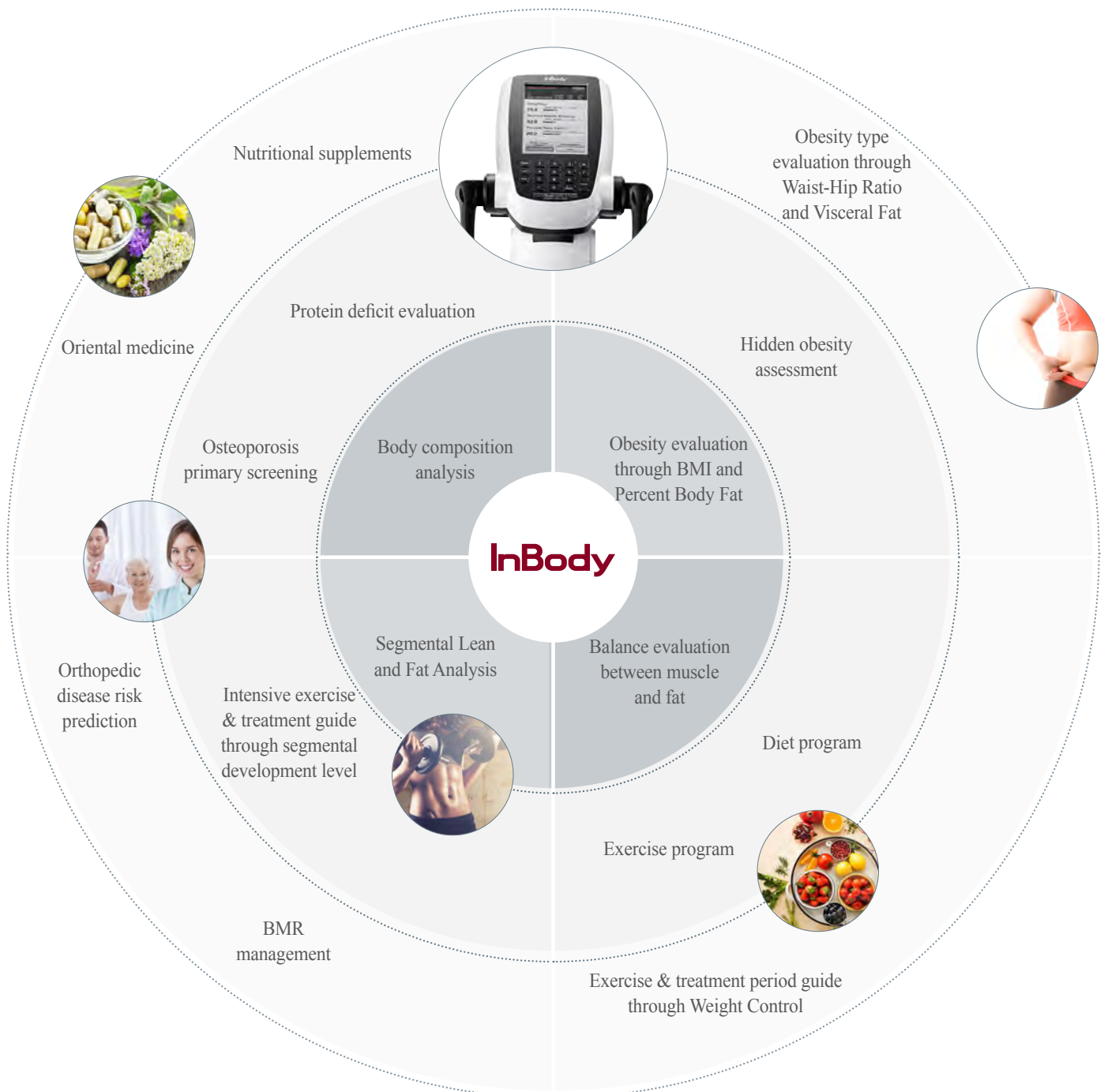
### FFMI (Fat Free Mass Index)

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

# 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.

Providing a smart healthcare service with high technology and helping everyone live a healthier life, that's the great mission of InBody.







## Timeless Style, Yet Significant Feature Changes

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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 reduces malfunction during transportation.

## Convenient Transportation



## Easy Installation



## Lookin'Body120\*

Data management software for personal healthcare run by wireless transmission.

## Data Management and Consultation



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

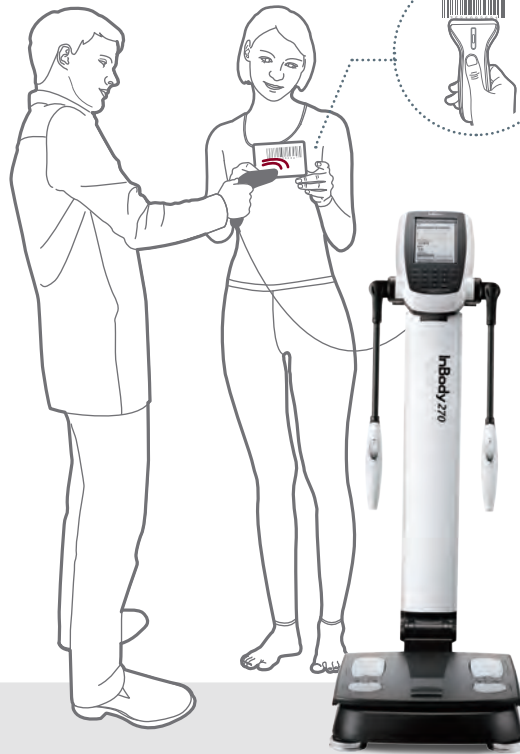
### Foldable Structure

Foldable structure for easy installation and safe relocation.



### Barcode Reader

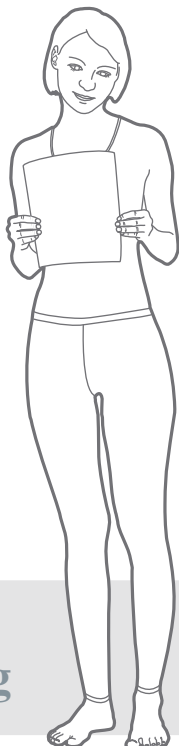
Quick member registration and ID number input available with barcode reader.



## Personal Data Input

### Results Sheet

Abundant information printed by printer and thermal printer\*.

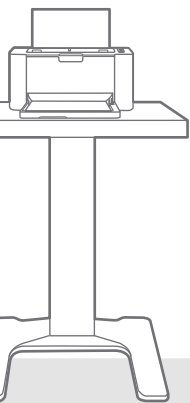
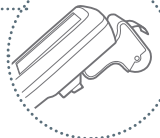
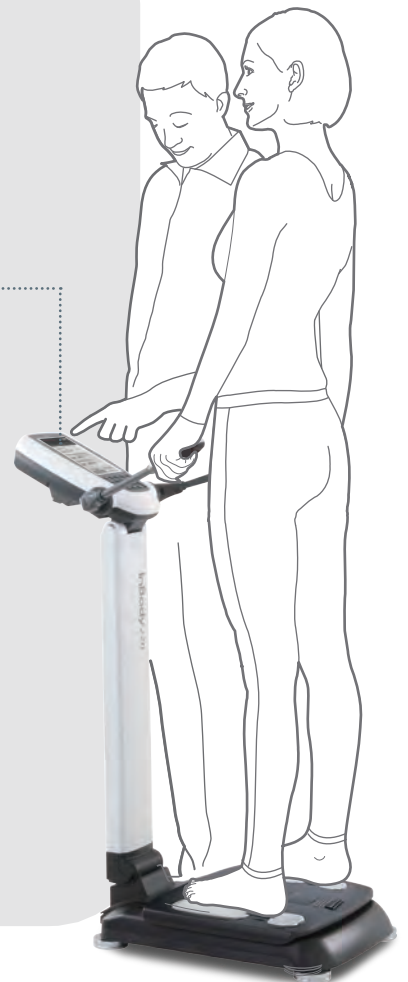


### User-friendly Interface

Easy operation through both touch screen and keypad.

### Voice Guidance

Step-by-step posture guide for complete measurement.



## Results Sheet Printing

## InBody Test

# 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 Percent Body Fat of each part 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.

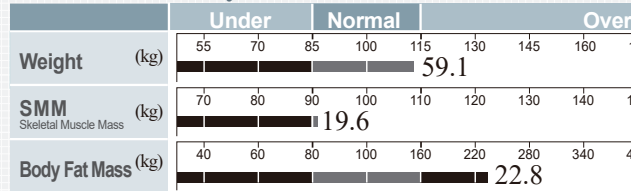
# InBody

ID	Height	Age	Gender	Test
Jane Doe	156.9cm	51	Female	201

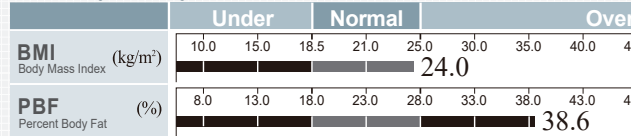
## 1 Body Composition Analysis

Total amount of water in body	<b>Total Body Water</b>	(L)	26.5
For building muscles	<b>Protein</b>	(kg)	7.2
For strengthening bones	<b>Minerals</b>	(kg)	2.64
For storing excess energy	<b>Body Fat Mass</b>	(kg)	22.8
Sum of the above	<b>Weight</b>	(kg)	59.1

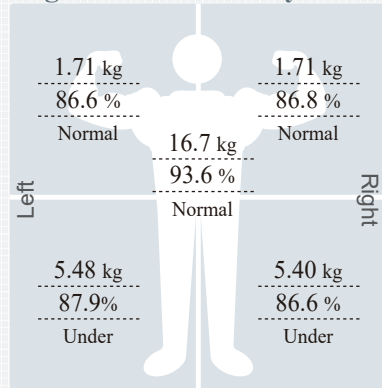
## 2 Muscle-Fat Analysis



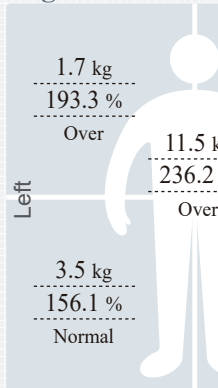
## 3 Obesity Analysis



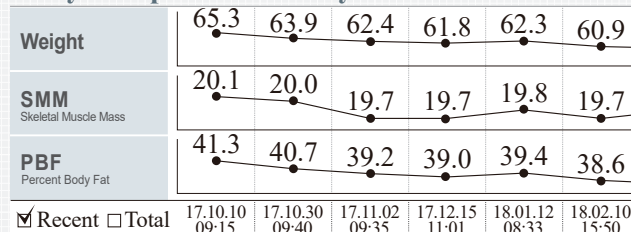
## 4 Segmental Lean Analysis



## 5 Segmental Fat Analysis



## 6 Body Composition History



Recent  Total



[InBody270]

Date & Time  
8.04.03. 09 : 46

**InBody**

www.inbody.com

( 26.4 ~ 32.2 )  
( 7.0 ~ 8.6 )  
( 2.44 ~ 2.98 )  
( 10.3 ~ 16.5 )  
( 43.9 ~ 59.5 )

**7 InBody Score**

**66** / 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 - 10.9 kg  
Muscle Control + 3.5 kg

**9 Obesity Evaluation**

BMI  Normal  Under  Slightly Over  Over  
PBF  Normal  Slightly Over  Over

**10 Waist-Hip Ratio**

0.91

**11 Visceral Fat Level**

11

**12 Research Parameters**

Fat Free Mass 36.3 kg  
Basal Metabolic Rate 1154 kcal (1255 ~ 1451)  
Obesity Degree 114 % ( 90 ~ 110 )  
SMI 5.8 kg/m<sup>2</sup>  
Recommended calorie intake per day 1397 kcal

**Calorie Expenditure of Exercise**

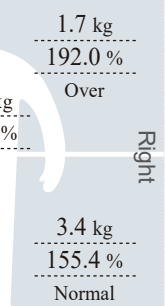
Golf	104	Gateball	112
Walking	118	Yoga	118
Badminton	134	Table Tennis	134
Tennis	177	Bicycling	177
Boxing	177	Racketball	177
Mountain Climbing	193	Jumping Rope	207
Aerobics	207	Jogging	207
Soccer	207	Swimming	207
Japanese Fencing	296	Racketball	296
Squash	296	Taekwondo	296

\* Based on your current weight  
\* Based on 30 minute duration

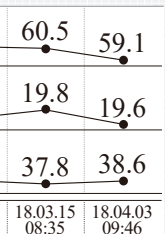
**13 Impedance**

	RA	LA	TR	RL	LL
Z(Ω) 20 kHz	443.8	444.0	29.0	340.7	330.6
100 kHz	407.3	408.8	26.6	299.5	289.8

**Analysis**



\* Segmental fat is estimated.



**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.

**InBody** [InBody270]

SMR088 | Height 166.8cm | Age 117 | Gender Male | Test Date / Time 2018.03.24 10:59

**Body Composition Analysis**  
Total amount of water in my body: Total Body Water (kg) 33.6 ( 31.5 ~ 42.1 )  
What I need to build muscles: Protein (g) 9.1 ( 9.3 ~ 11.3 )  
What I need for strong bones: Minerals (g) 3.15 ( 2.19 ~ 3.89 )  
Where my excess energy is stored: Body Fat Mass (kg) 13.1 ( 7.5 ~ 14.7 )

**Muscle-Fat Analysis**  
Weight (kg) 55.0  
SMM (kg) 25.7  
Body Fat Mass (kg) 13.1

**Obesity Analysis**  
BMI (kg/m<sup>2</sup>) 20.9  
P.B.F. (%) 23.7

**Growth Graph**  
Height: 10-25% | Weight: 25-50%

**Body Composition History**  
Height (cm) 166.4, 163.8, 166.7, 168.0  
Weight (kg) 51.4, 54.5, 56.3, 59.0  
SMM (kg) 26.2, 27.2, 27.4, 28.7  
P.B.F. (%) 23.0, 22.7, 22.4, 22.5

**Results Interpretation**  
Growth Graph: Compare the height and weight among peers of the same age group.  
Impedance: RA LA TR RL LL, Z(Ω)20kHz 443.8 444.0 29.0 340.7 330.6, 100kHz 407.3 408.8 26.6 299.5 289.8

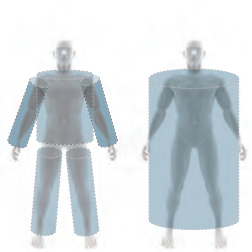
# Thermal Results Sheet

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

<b>InBody</b>	04/03/2018 09:46
ID : Jane Doe	
Height : 156.9cm	Age : 51
Gender : Female	Weight : 59.1kg
-----	
Weight	59.1 kg
Muscle Mass	19.6 kg
Mass of muscle attached to your bones. (Skeletal Muscle Mass)	
Body Fat Mass	22.8 kg
-----	
Percent Body Fat	38.6 %
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	1154 kcal
Minimum number of calories needed to sustain life at a resting state.	
Waist Hip Ratio	0.91
Reference Range : Male adult 0.80~0.90 Female adult 0.75~0.85	
Visceral Fat Level	11
Reference Range : 1~9	
-----	
Segmental Lean Analysis	
1.71 kg	1.71 kg
86.6 %	86.8 %
Normal	Normal
16.7 kg	
93.6 %	
Normal	
5.48 kg	5.40 kg
87.9 %	86.6 %
Under	Under
-----	
Segmental Fat Analysis	
1.7 kg	1.7 kg
193.3 %	192.0 %
Over	Over
11.9 kg	
239.8 %	
Over	
3.5 kg	3.4 kg
156.1 %	155.4 %
Normal	Normal
* Segmental fat is estimated.	
-----	
InBody Score	66 point
-----	
Fat Control	- 10.9 kg
Muscle Control	+ 3.5 kg
-----	
443.8 444.0 29.0 340.7 330.6 407.3 408.8 26.6 299.5 289.8	
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.



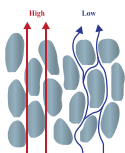
## DIRECT SEGMENTAL MEASUREMENT

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.



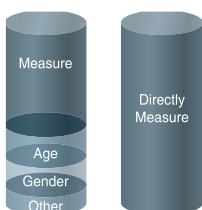
## SIMULTANEOUS MULTI-FREQUENCY (SMF-BIA)

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 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.

# Cross-Reference



InBodyS10



InBody770



InBody570



InBody370

Frequency	1, 5, 50, 250, 500, 1000kHz	1, 5, 50, 250, 500, 1000kHz	5, 50, 500kHz	5, 50, 250kHz
<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	●	●	●	●



InBody270

20, 100kHz

### Key Specifications

Bioelectrical Impedance Analysis (BIA) Measurement Items	Bioelectrical Impedance (Z)	10 Impedance 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.
Backup data	Backup data saved in the InBody by using a USB Thumb Drive, Restore results on the InBody from a backup file.

### Other Specifications

Applied Rating Current	200 $\mu$ A ( $\pm$ 40 $\mu$ A)	
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) $\times$ 796 (L) $\times$ 995 (H): mm 14.0 (W) $\times$ 31.3 (L) $\times$ 39.2 (H) : inch	
Equipment Weight	14kg (30.9lbs)	
Testing Time	About 15 seconds	
Operation Environment	10 ~ 40 $^{\circ}$ C (50 ~ 104 $^{\circ}$ F), 30 ~ 75% RH, 70 ~ 106kPa	
Storage Environment	-10 ~ 70 $^{\circ}$ C (14 ~ 158 $^{\circ}$ 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.

