

InBody



InBody380

High Accuracy

Accurate measurements derived from InBody Technology

High Reproducibility

Ergonomic Electrodes designed to ensure reproducibility

Easy Transportation

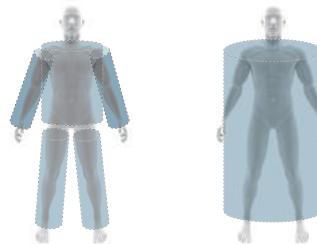
Compact and foldable design for mobility

InBody Technology

InBody uses Bioelectrical Impedance Analysis (BIA) technology to measure human body composition. Impedance is the resistance of the human body generated when a micro alternating current flows through the human body. The human body is made of water that conducts electricity well, and the resistance varies depending on the amount of water. BIA is a technology that quantitatively measures body water through impedance that occurs when an electric current flows through the human body. InBody provides diverse information on body composition based on the measured body water.

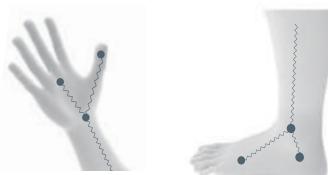
Direct Segmental Measurement-BIA

The human body exhibits varying lengths and cross-sectional areas for each body segments. Arms and legs, characterized by narrow cross-sectional areas and length, exhibit higher impedance values and lower muscle mass. Conversely, the trunk, with its broader cross-sectional area, yields lower impedance values and higher muscle mass. Even the slightest change in trunk impedance can significantly influence the total muscle mass. Therefore, it is essential to separately measure trunk impedance for precise total muscle mass assessment. InBody conducts separate measurements for arms, legs, and the trunk, ensuring the utmost accuracy in the analysis.



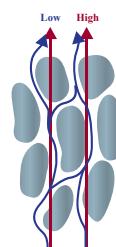
8-Point Tactile Electrodes Utilizing Thumb Electrodes

Using the structural features of the human body, InBody pioneered '8-Point Tactile electrode with Thumb Electrodes'. This ensures InBody measurements start at the same location on the wrists and ankles, guaranteeing reliable and reproducible results.



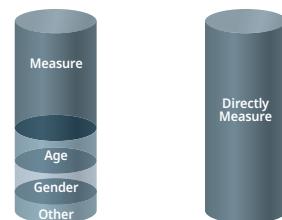
Simultaneous Multi-Frequency Impedance Measurement

InBody introduced a technology in body composition analyzers to transmit multiple frequencies at once, obtaining specific impedance data for each for the first time. This reduces measurement time and error, leading to more accurate body water and fluid balance measurements.



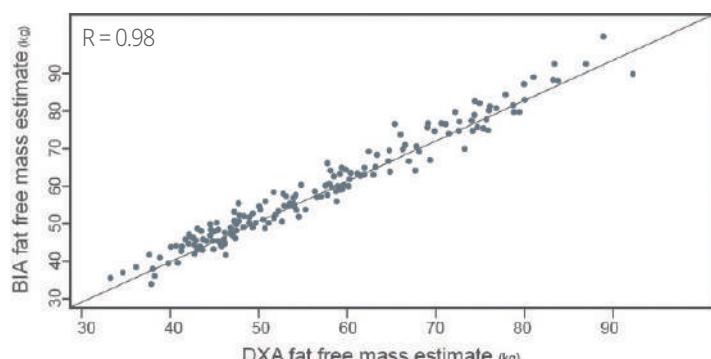
No Estimations or Empirical Estimation on Measured Values

InBody does not rely on empirical estimations based on age, gender, and more to ensure the accuracy of the measured data. In the past, empirical estimations were applied to the equations to ensure accuracy due to technological limitations. However, this resulted in lower accuracy when the measured population group changes. InBody overcame these limitations with technological developments such as direct segmental measurement-BIA to measure and analyze accurate body composition without applying empirical estimation. Therefore, InBody devices can provide data regardless of population and can reflect changes in the body with higher sensitivity.



Over 98 % Correlation to DEXA on Accuracy

InBody precisely detects changes in body composition using impedance alone, showing a correlation over 0.98 with the gold-standard DEXA device.



Ryan T Hurt et al., The Comparison of SMF-BIA and DEXA for Estimating Fat Free Mass and Percentage Body Fat in an Ambulatory Population, *J Parenter Enteral Nutr.*, 2021 Aug;45(6):1231-1238

Enhanced User Experience

Quick Measurement

Experience quick and precise body composition assessment within just 30 seconds, available for immediate consultation.



Convenient Measurement

Obtain accurate measurements by holding anywhere on the ergonomically designed 3-way hand electrode.



Portable Design

The foldable structure and compact design of the InBody380 facilitates simpler transportation and better space utilization.

Smart Recognition

QR Code recognition with mobile phones simplifies member data entry for enhanced efficiency.



Comprehensive Parameters for Professionals

Body Water Balance

Maintaining body water balance is essential for overall health management. InBody's Whole Body ECW Ratio serves as a valuable tool for monitoring and assessing an individual's health status.

Cellular Integrity Check

Phase Angle is a vital measure that signifies cellular health by revealing cellular integrity and overall physiological function. InBody's Phase Angle assists in evaluating an individual's cellular health and guiding necessary actions.

Sarcopenia Assessment

Sarcopenia can be easily assessed and evaluated using the Skeletal Muscle Mass Index (SMI) and Hand Grip Strength*, allowing for comprehensive evaluation and personalized consultations. Hand Grip Strength* can be measured with the InBody Handgrip Dynamometer (InGrip).

* Skeletal Muscle Mass Index (SMI) calculated by taking the sum of the Appendicular Muscle Mass (in kilograms) and dividing it by the square of the person's height (in meters).

** Hand Grip Strength is available with connections to the InBody Handgrip Dynamometer (IB-HGS, optional).

InBody Result Sheet

Provides reference parameters to thoroughly evaluate patients' conditions in different medical settings.

InBody

[InBody380]

1
Body Composition Analysis

ID	Height	Age	Gender	Test Date / Time	
Jane Doe	156.9cm	51	Female	02.22.2025 13:51	

2
Muscle-Fat Analysis

Weight	Under			Normal			Over			%	
	55	70	85	100	115	130	145	160	175		190
Total Body Water (L)	27.9			27.9			35.6				
Protein (kg)	7.2				(7.2 ~ 8.8)						
Minerals (kg)	2.65					(2.49 ~ 3.05)					
Body Fat Mass (kg)	21.3						(10.6 ~ 16.9)				

3
Obesity Analysis

BMI Body Mass Index	Under			Normal			Over			%	
	10.0	15.0	18.5	21.5	25.0	30.0	35.0	40.0	45.0		50.0
PBF Percent Body Fat	8.0	13.0	18.0	23.0	28.0	33.0	38.0	43.0	48.0	53.0	58.0

4
Segmental Lean Analysis

Right Arm	Under			Normal			Over			%	
	40	60	80	100	120	140	160	180	200		220
Left Arm	2.02										
Trunk	100.7										
Right Leg	1.94										
Left Leg	96.7										

5
ECW Ratio-Phase Angle

ECW Ratio	Under			Normal			Over			Phase Angle ϕ
	0.320	0.340	0.360	0.380	0.390	0.400	0.410	0.420	0.430	
ECW Ratio	0.397									4.3°

6
Body Composition History

Weight	kg									
	65.3	63.9	62.4	61.8	62.3	60.9	60.5	59.1		
SMM	20.1	20.0	19.7	19.4	19.8	19.5	19.8	19.9		
BFM	23.5	23.1	22.7	22.4	22.9	22.3	22.2	21.3		
PBF	41.3	40.7	39.2	39.0	39.4	38.6	37.7	36.1		
ECW Ratio	0.399	0.398	0.396	0.396	0.397	0.396	0.399	0.397		

7
Customized Logo

www.customized.com

8
InBody Score

68 / 100 Points

* Total score that reflects the evaluation of body composition. A muscular person may score over 100 points.

9
Whole Body Phase Angle

4.3 °

10
Weight Control

4.3	4.4	4.2	4.1	4.3
06.23.23 15:23	07.21.23 15:00	10.19.23 14:52	02.20.24 15:12	02.22.25 13:51

11
Nutrition Evaluation

Protein	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Deficient	
Minerals	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Deficient	
Body Fat	<input type="checkbox"/> Normal	<input type="checkbox"/> Deficient	<input checked="" type="checkbox"/> Excessive

12
Body Balance Evaluation

Upper	<input checked="" type="checkbox"/> Balanced	<input type="checkbox"/> Slightly Unbalanced	<input type="checkbox"/> Unbalanced
Lower	<input checked="" type="checkbox"/> Balanced	<input type="checkbox"/> Slightly Unbalanced	<input type="checkbox"/> Unbalanced
Upper-Lower	<input type="checkbox"/> Balanced	<input checked="" type="checkbox"/> Slightly Unbalanced	<input type="checkbox"/> Unbalanced

13
Research Parameters

Intracellular Water	16.8 L	(16.7 ~ 20.5)
Extracellular Water	11.1 L	(10.3 ~ 12.5)
Basal Metabolic Rate	1186 kcal	(1255 ~ 1451)
Waist-Hip Ratio	0.97	(0.75 ~ 0.85)
Visceral Fat Level	12	(1 ~ 9)
Obesity Degree	112 %	(90 ~ 110)
Bone Mineral Content	2.20 kg	(2.05 ~ 2.51)
Body Cell Mass	24.0 kg	(23.9 ~ 29.3)

14
Sarcopenia Parameters

SMI	5.8 kg/m ²	(< 5.7)
HGS	15.8 kg	(< 18.0)

15
SMI

5.4	5.5	5.4	5.9	5.8
06.23.23 15:23	07.21.23 15:00	10.19.23 14:52	02.20.24 15:12	02.22.25 13:51

16
Impedance

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Result Sheet Interpretation

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

The balance between Skeletal Muscle Mass and Body Fat Mass is a key health indicator. Muscle-Fat Analysis shows this balance by comparing the length of the bars for Weight, Skeletal Muscle Mass, and Body Fat Mass.

3 Obesity Analysis

For a more accurate evaluation of obesity, BMI alone is not sufficient. Use Percent Body Fat for a more precise assessment in clinical obesity analysis. The InBody can detect hidden health risks like Sarcopenic Obesity, in which a person appears slim on the outside but has a high Percent Body Fat.

4 Segmental Lean Analysis

Analyzing the lean mass in each segment helps identify imbalances and insufficiently developed lean mass, which can be used to develop targeted exercise programs. The lean mass of the arms, trunk, and legs, are represented by two bars. The top bar shows the amount of lean mass in a segment compared to the ideal weight, while the bottom bar indicates how sufficient the lean mass is to support your current weight.

5 ECW Ratio-Phase Angle

The Extracellular Water Ratio shows the balance status of body water. The ratio between intracellular and extracellular water remains consistent at about 3:2 in healthy individuals. When this balance is disrupted, edema may occur.

6 Body Composition History

Customize your user's journey by selecting from 19 parameters to track the Body Composition History, including Body Weight, Skeletal Muscle Mass, Body Fat Mass, Percent Body Fat, and ECW Ratio. Regularly assessing on InBody to monitor progress is a great step toward a healthier life.

7 Logo Customization

The Customized Logo can be applied on the Result Sheet. URL can also be placed at the bottom of the Result Sheet as well.

8 InBody Score

The InBody Score is a unique index created by InBody to provide a snapshot of one's overall body composition health. The standard range is between 70-90 points, and points will be added or subtracted depending on the need of control of fat and muscle mass.

9 Whole Body Phase Angle

Phase Angle is related to the health status of the cell membrane. Strengthening of the cellular membrane and structural function will increase the Phase Angle. In contrast, impairments to the cellular membrane can lead to a decreased Phase Angle.

10 Weight Control

Weight Control shows the recommended weight, fat, and muscle mass for a healthy body. A '+' signifies a need to gain, and a '-' indicates a need to lose weight. This metric is useful for setting personal health goals.

11 Nutrition Evaluation

Nutrition Evaluation is done based on variables such as on Protein, Minerals, and Body Fat. If below 90 % of the normal status, the variable will be categorized as deficient. Body Fat above 160 % will be presented as Excessive.

12 Body Balance Evaluation

Evaluate the balance of the body based on Segmental Lean Analysis.

13 Research Parameters

Various research parameters are provided, including Basal Metabolic Rate, Waist-Hip Ratio, Obesity Degree, Skeletal Muscle Mass Index (SMI), Body Cell Mass, and more.

14 Sarcopenia Parameters

Sarcopenia is now recognized as a disease. Skeletal Muscle Mass Index (SMI) and Hand Grip Strength (HGS) measurements provide precise assessments for sarcopenia patients, enabling healthcare professionals to develop tailored care plans for effective management.

15 SMI

SMI is the sum of the muscle masses of the limbs divided by the height squared. It is an indicator that can be used for early diagnosis of Sarcopenia, a medical condition related to the loss of Skeletal Muscle Mass.

16 Impedance

Impedance is the resistance that occurs when micro-alternating current is applied to the human body. InBody visualizes the impedance with the graph. You can easily detect if there is a reversed impedance error by checking crossed lines in the impedance graph. Below the impedance graph, you can also check the error codes.

* Research Parameters can be customized in the settings. Please refer to the Specifications page for available options.

Optional Result Sheet

1 InBody Result Sheet for Children

With the InBody Result Sheet for Children, you can assess and track a child's growth progress.

② Thermal Result Sheet (Optional)

Thermal Result Sheet is available by connecting the optional TP100 provided by InBody.

Parameters on the Thermal Result Sheet are customizable from the InBody device settings.



1

InBody

[InBody380]
InBody
inbody.com

Body Composition Analysis

ID	Height	Age	Gender	Test Date / Time
John Doe Jr.	139.4cm	10	Male	04.15.2025 09:00

Muscle-Fat Analysis

Total amount of water in my body	Total Body Water	(L)	18.9 (18.0 ~ 22.0)
What I need to develop muscles	Protein	(kg)	5.0 (4.9 ~ 5.9)
What I need to develop muscles	Minerals	(kg)	1.91 (1.66 ~ 2.04)
Where my excess energy is stored	Body Fat Mass	(kg)	9.2 (3.8 ~ 7.7)
Sum of the above	Weight	(kg)	35.0 (27.3 ~ 36.9)

Obesity Analysis

Weight (kg)	Under		Normal	Over								
	55	70	85	100	115	130	145	160	175	190	205	%
35.0												
SMM (kg) Skeletal Muscle Mass	70	80	90	100	110	120	130	140	150	160	170	%
	13.1											
Body Fat Mass (kg)	40	60	80	100	160	220	280	340	400	460	520	%
	9.2											

Growth Graph

Height : 50 ~ 85%

BMI : 50 ~ 85%

Body Composition History

Height (cm)	134.4	136.5	137.2	138.6	139.4	
Weight (kg)	33.2	35.1	35.6	37.3	35.0	
BMI (kg/m²) Body Mass Index	19.5	19.5	19.6	20.1	18.0	
SMM (kg) Skeletal Muscle Mass	13.4	13.3	13.0	12.9	13.1	
PBF (%) Percent Body Fat	25.8	26.2	26.5	26.0	26.4	
<input checked="" type="checkbox"/> Recent	<input type="checkbox"/> Total	06.23,24 15:23	07.21,24 15:00	10.19,24 14:52	02.20,25 15:12	04.15,25 09:00

2

InBody

02/22/2025 13:51
InBody
inbody.com

Muscle-Fat Analysis

Weight	59.1 kg
Normal Range	(45.0~60.8)

Skeletal Muscle Mass **19.9 kg**

Normal Range (20.0~24.4)

Soft Lean Mass **35.6 kg**

Normal Range (34.7~42.3)

Body Fat Mass **21.3 kg**

Normal Range (10.6~16.9)

Obesity Analysis

BMI	24.0 kg/m²
Normal Range	(18.5~25.0)

Percent Body Fat **36.1%**

Normal Range (18.0~28.0)

Segmental Lean Analysis

Left	1.94 kg 96.7 %	Right	2.02 kg 100.7 %
Normal	17.8 kg 97.9 %	Normal	17.8 kg 97.9 %
Left	5.13 kg 81.1 %	Right	5.21 kg 82.3 %
Under	11.5 kg 174.0 %	Under	11.5 kg 174.0 %

Segmental Fat Analysis

Left	1.5 kg 125.8 %	Right	1.5 kg 126.5 %
Over	11.5 kg 230.3 %	Over	11.5 kg 230.3 %
Normal	2.8 kg 126.5 %	Normal	2.9 kg 127.0 %

*Segmental Fat is estimated.

InBody Score **68**

Research Parameters

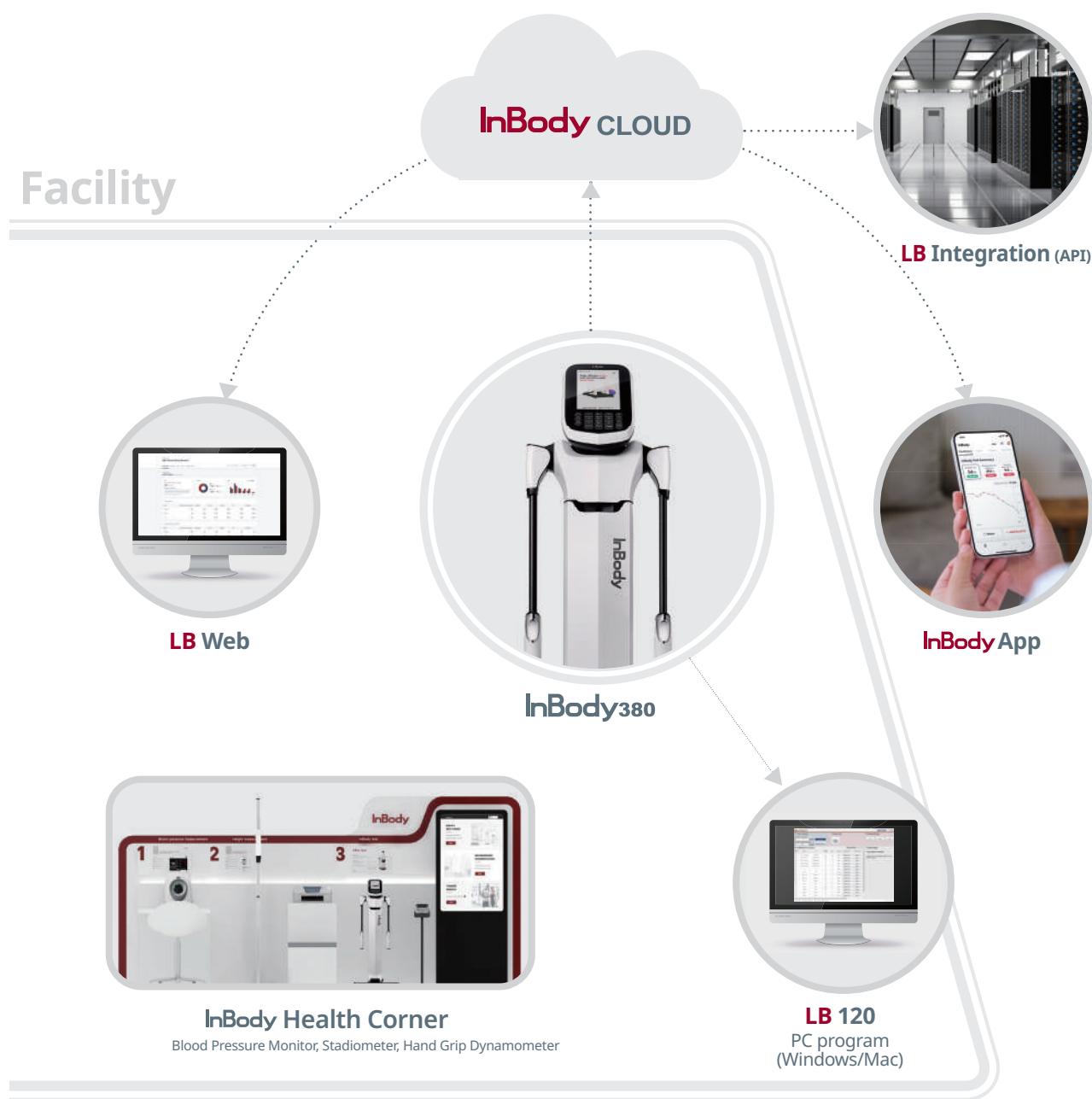
Intracellular Water	11.6 L (11.2~13.6)
Normal Range	(16.7~20.5)
Extracellular Water	7.3 L (6.8~8.4)
Normal Range	(10.3~12.5)
Whole Body ECW Ratio	0.397
Normal Range	(0.360~0.390)
Bone Mineral Content	2.20 kg
Normal Range	(2.05~2.51)
Body Cell Mass	24.0 kg
Normal Range	(23.9~29.3)
Waist-Hip Ratio	0.97
Normal Range	(0.75~0.85)
Visceral Fat Level	12
Normal Range	(1~9)
Obesity Degree	112%
Body Metabolic Rate	1186 kcal
Normal Range	(1255~1451)
Arm Circumference	30.2 cm
Arm Muscle Circumference	25.8 cm
SMI	5.8 kg/m²
Fat Control	-9.2 kg
Muscle Control	+3.0 kg
Whole Body Phase Angle	4.3°

Impedance

Impedance

InBody Data Integration Solution

Manage and utilize your InBody data in various settings.



InBody Data Comprehension

Provide a health report to monitor your customers' body composition goals.

Analytical Dashboard and Report

Get an intuitive analysis of your InBody data on the dashboard and see how your facility is performing with InBody.

Monitor Lifestyle Habits

Integrate InBody devices to monitor lifestyle habits and provide remote health management.

Access InBody Results Anywhere, Anytime

Through PC, tablet and smartphones, access your customer's InBody results anywhere, anytime.

API Integration

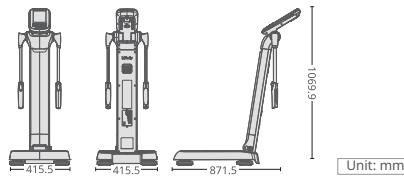
Upon customer consent, utilize InBody data through API and SDK.

Various File Formats

Print InBody data as an image, excel file etc.

Specifications

InBody380 Body Composition Analyzer



Bioelectrical Impedance Analysis (BIA) Measurement Outputs	Impedance (Z) 15 Impedance Measurements by Using 3 Different Frequencies (5kHz, 50kHz, 500kHz) at Each of 5 Segments (Right Arm, Left Arm, Trunk, Right Leg and Left Leg)	Outputs (InBody Result Sheet)												
Measurement Method	Phase Angle (Ø) 1 Phase Angle Measurements Using 1 Frequency (50 kHz) at Whole Body	<ul style="list-style-type: none"> • Muscle Composition Analysis (Total Body Water, Protein, Minerals, Body Fat Mass, Soft Lean Mass, Fat Free Mass, Weight) • Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) • Obesity Analysis (Body Mass Index, Percent Body Fat) • Segmental Lean Analysis • Segmental Fat Analysis • ECW Ratio - Phase Angle • Body Composition History (Weight, Skeletal Muscle Mass, Soft Lean Mass, Body Fat Mass, Percent Body Fat, BMI, ECW Ratio, InBody Score, Basal Metabolic Rate, Visceral Fat Level, Waist-Hip Ratio, Fat Free Mass, Waist Circumference, Obesity Degree, FFMI, FMI, SMI, SMM/WT, Phase Angle_50kHz) • InBody Score • Whole Body Phase Angle (History) • SMI (History) • Body Type (Graph) • Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control) • Nutrition Evaluation (Protein, Minerals, Fat Mass) • Obesity Evaluation (BMI, Percent Body Fat) • Body Balance Evaluation (Upper, Lower, Upper-Lower) • Segmental Fat Analysis (Graph) • Segmental Circumference (Neck, Chest, Abdomen, Hip, Right Arm, Left Arm, Right Thigh, Left Thigh) • Waist-Hip Ratio (Graph) • Visceral Fat Level (Graph) • InBody Score (Graph) • Basal Metabolic Rate (Graph) • Research Parameters (Intracellular Water, Extracellular Water, Skeletal Muscle Mass, Fat Free Mass, Basal Metabolic Rate, Waist-Hip Ratio, Waist Circumference, Visceral Fat Level, Obesity Degree, Bone Mineral Content, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, FFMI, FMI, SMI, SMM/WT, Recommended Calorie Intake) • Calorie Expenditure by Activity • Blood Pressure (Sys, Dia, Pulse) • Blood Pressure (MAP, PP, RPP) • QR Code • Results Interpretation QR Code • Whole Body Phase Angle (50kHz) • Impedance Graph (Each segment and each frequency) • Sarcopenia Parameters (SMI, HGS) 												
Electrode Method	Tetrapolar 8-Point Tactile Electrodes													
Body Composition Calculation Method	No use of Empirical Estimation													
Types of Result Sheet	InBody Result Sheet, InBody Result Sheet for Children, Thermal Result Sheet													
Digital Results	LCD Screen, LookinBody Web, LookinBody120													
Data Storage	Test results can be saved using the member ID. The InBody can save up to 100,000 results.													
Test Mode	Self Mode, Professional Mode													
Test Duration	About 30 Seconds * Test duration may vary depending on the measurement posture or external environment.													
Weight Range	2 - 300 kg (4.4 - 661.4lb)													
Height Range	95 - 220 cm (3ft 1.40in - 7ft 2.61in)													
Age Range	3+ years													
Administrator Menu	<ul style="list-style-type: none"> • Setup: Settings Configuration and Data Management • FAQ: Additional Guidance for Using the InBody 													
USB Thumb Drive	Copy, Back Up, or Restore the InBody Test Data (which can be viewed in Excel or with LookinBody data management software).													
Backup Data	Backup data from the device using an InBody USB or a USB thumb drive, and restore results as needed.													
Dimensions	415.5 (W) x 871.5 (L) x 1069.9 (H) mm 16.3 (W) x 34.3 (L) x 42.1 (H) in													
Device Weight	16kg (35.3lb)													
Applied Rating Current	200 µA (±20 µA)	Outputs (InBody Result Sheet for Children)												
Operation Environment	10-40 °C (50 - 104 °F), 30 - 75 % RH (No Condensation), 70 - 106 kPa													
Storage Environment	-10 - 70 °C (14 - 158 °F), 10 - 80 % RH (No Condensation), 50 - 106 kPa													
Display Type	480 x 800 7 inch Color TFT LCD													
Internal Interface	Touchscreen, Keypad													
External Interface	RS-232C 4 EA, USB Host 2 EA, USB Slave 1 EA, LAN(10/100 T) 1 EA, Bluetooth 1 EA, Wi-Fi (2.4 G / 5 G) 1 EA													
Adapter	<table border="0"> <tr> <td>Bridgepower (BPM040512F07)</td> <td>Power Input AC 100 - 240V, 50/60 Hz, 1.2 A (1.2 A - 0.6 A)</td> <td>Outputs (InBody Thermal Result Sheet)</td> </tr> <tr> <td></td> <td>Power Output DC 12 V, 3.4 A</td> <td></td> </tr> <tr> <td>Mean Well (GSM 40A12)</td> <td>Power Input AC 100 - 240 V, 50 / 60 Hz, 1.0 A - 0.5 A</td> <td></td> </tr> <tr> <td></td> <td>Power Output DC 12 V, 3.34 A</td> <td></td> </tr> </table>	Bridgepower (BPM040512F07)	Power Input AC 100 - 240V, 50/60 Hz, 1.2 A (1.2 A - 0.6 A)	Outputs (InBody Thermal Result Sheet)		Power Output DC 12 V, 3.4 A		Mean Well (GSM 40A12)	Power Input AC 100 - 240 V, 50 / 60 Hz, 1.0 A - 0.5 A			Power Output DC 12 V, 3.34 A		
Bridgepower (BPM040512F07)	Power Input AC 100 - 240V, 50/60 Hz, 1.2 A (1.2 A - 0.6 A)	Outputs (InBody Thermal Result Sheet)												
	Power Output DC 12 V, 3.4 A													
Mean Well (GSM 40A12)	Power Input AC 100 - 240 V, 50 / 60 Hz, 1.0 A - 0.5 A													
	Power Output DC 12 V, 3.34 A													
Wireless Connection	Bluetooth, Wi-Fi													
Compatible Items	Stadiometer, Blood pressure monitor, Thermal Printer (TP100), Serial Distributor (SD400), InGrip													
Compatible Printer	Laser/Inkjet PCL 3 or above and SPL													
Notification Sounds and Voice Guidance	Notification sounds (test in progress, saving settings, personal information, etc.) and voice guidance during the test													
Logo Display	Name, address, and contact information can be shown on the InBody Result Sheet.													
QR Code	By scanning QR Code, you can send and verify the InBody results													
Language Support	InBody supports over 30 languages.													

* Specifications are subject to be changed without prior notice.
 * This is a medical device. Please read the WARNINGS and PRECAUTIONS before you use it.
 * Blood pressure information can only be printed when the blood pressure monitor is connected. This is a medical device.
 * Please "QR Code" is registered trademark of DENSO WAVE INCORPORATED.

Certificates



CE1639



NAWI



ISO13485



ISO9001



MDSAP



GMP



iF Design Award

Awards

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