InBody120

User's Manual

Please note the important information below before reading this manual.

Warning

Failure to comply with safety warnings and regulations can cause serious injury or death.

Caution

Failure to comply with safety cautions and regulations can cause injury or property damage.

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Visit our website inbody.com to view and download further information about the functions of the InBody120, the explanation of results output, and more. InBody Co., Ltd reserves the right to modify the appearance, specifications, and etc. of the InBody120 to improve the quality of the product, without prior notice for reasons of performance improvement.

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InBody120

User's Manual Contents

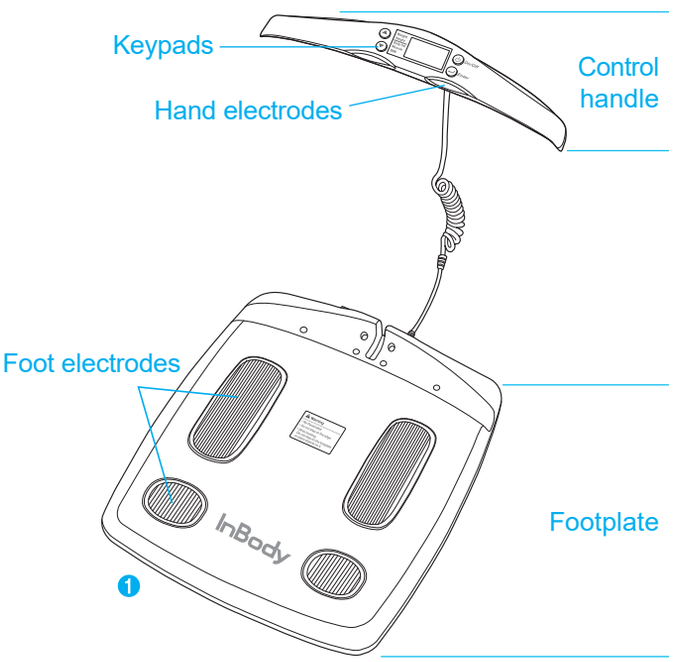
I. InBody120 Installation

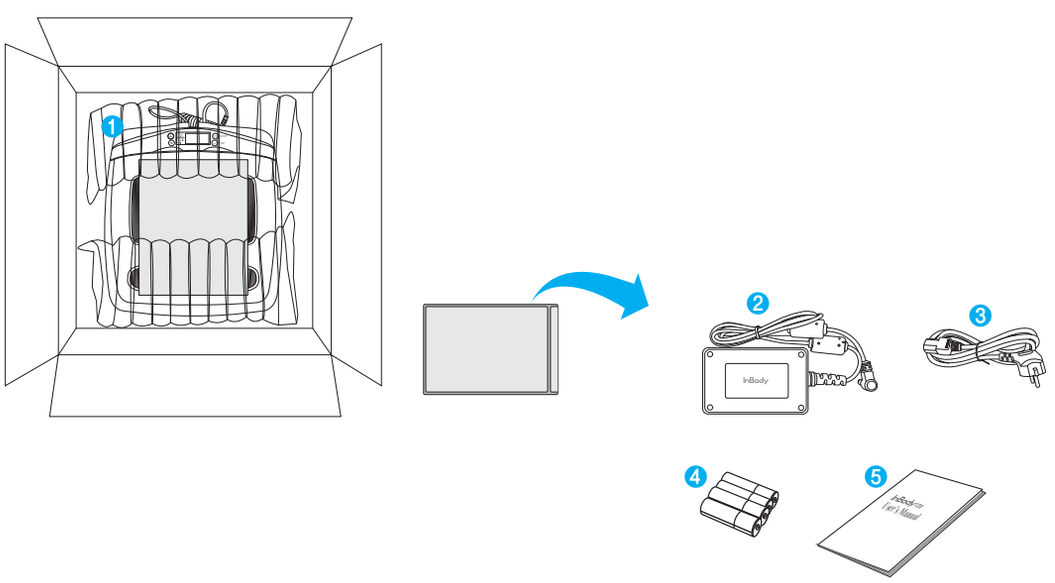
A. Product Components

The InBody120 consists of the following components. Make sure all of the following components are present.

* Please inspect each component of the InBody120 for defects prior to installation.

❶ InBody120
❷ Adapter (DC 12V, 3.4A/3.34A) 1 EA
❸ Power cord 1 EA
❹ Battery (AA) 4 EA
❺ User's Manual 1 EA

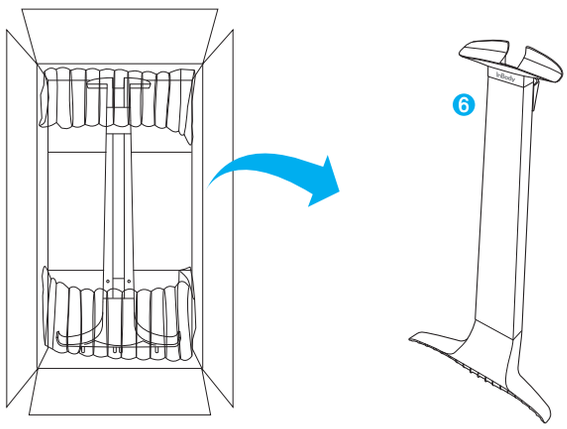




* Optional Equipments

1) InBody120 Stand

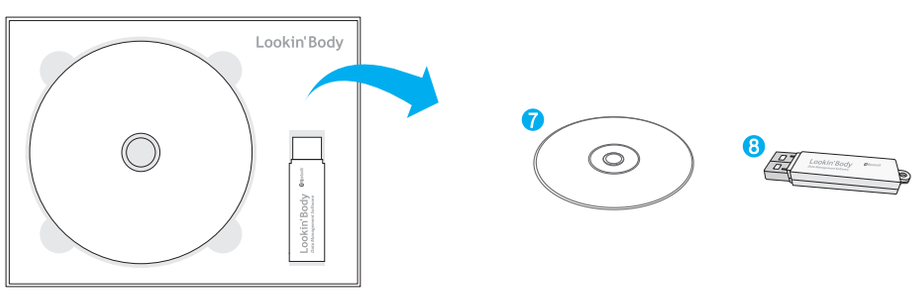
❻ InBody120 Stand 1 EA



2) Lookin'Body120 (Data Management Software)

❼ Lookin'Body120 CD 1 EA

❽ Lookin'Body Bluetooth Dongle (InBT-USB) 1 EA



3) Thermal Printer

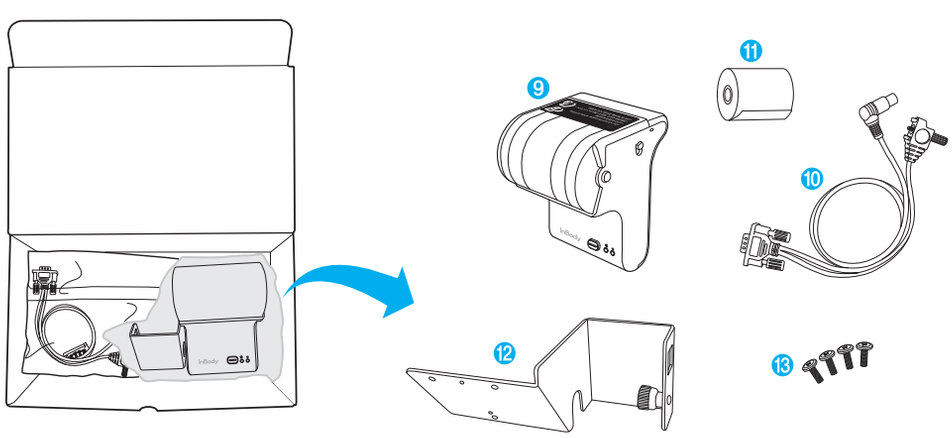
❾ Thermal Printer 1 EA

❿ Thermal Printer Cable 1 EA

⓫ Thermal Printer Paper 1 EA

⓬ Thermal Printer Holder 1 EA

⓭ Thermal Printer Screws 4 EA



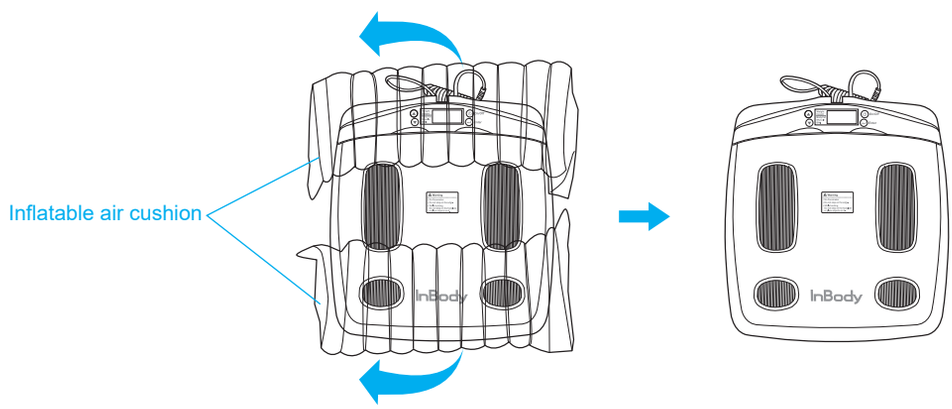
B. Operating Environment

Please make sure that the environment is adequate for the InBody120 installation. This equipment is designed for indoor use. If installing outdoors, the following requirements must be fulfilled.

Temperature range	10 ~ 40˚C (50 ~ 104˚F)
Relative humidity	30 ~ 75% RH
Atmospheric pressure	70 ~ 106kPa

C. Installation Instructions

1. Open the packing box of the InBody120 and remove the inflatable air cushion.



⚠ Caution

- If you have any problems installing your InBody120, please contact InBody for assistance.
- Keep the packaging materials provided for repacking the equipment in the future. Other wastes should be disposed of according to relevant laws and regulations.

2. After removing the inflatable air cushion, place the InBody120 on a leveled surface.

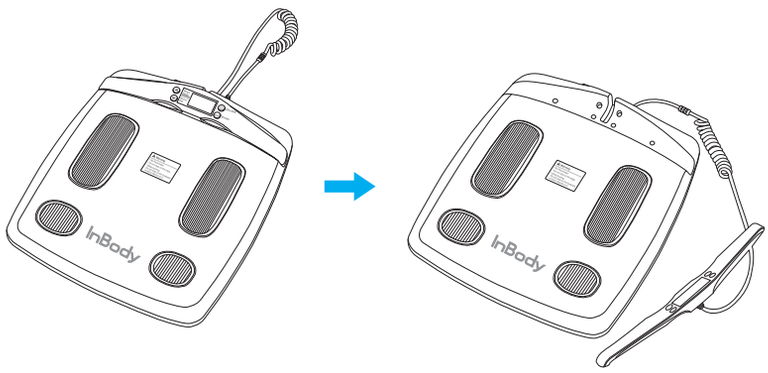
∗ Leveling the equipment is necessary for accurate weight measurement.

⚠ Caution

- Install the InBody120 on a leveled, non-vibrating surface. Installing the equipment on an uneven surface may cause the examinee to fall down. Test results may also be inaccurate.
- Never clean the hand and foot electrodes with liquid spray or detergent directly. The equipment may corrode and/or malfunction if the liquid or detergent leaks inside. Use the InBody Tissue when cleaning the InBody120.

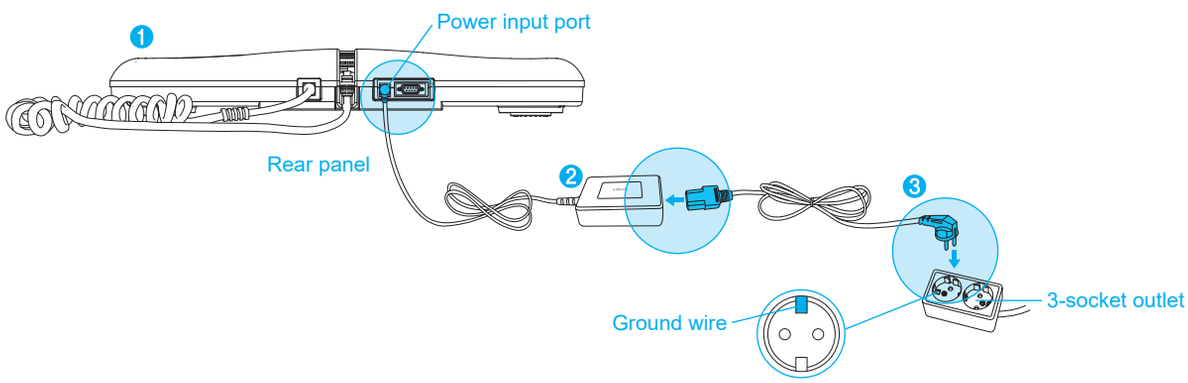
  ∗ For inquires regarding the InBody Tissue, Please contact InBody.

3. Separate the control handle and the footplate.



4. Connect the adapter (❷) to the power input port, which is located on the rear panel of the InBody120 (❶). Connect the adapter (❷) to the power cord (❸). Then, plug the power cord (❸) into a grounded 3-socket outlet.

∗ The InBody120 can be used in connection with the data management software, Lookin'Body120. For more information, please refer to 'E. Connecting Lookin'Body120 (Data Management Software) and Thermal Printer 1. Lookin'Body120 (Data Management Software)' in this User's Manual.



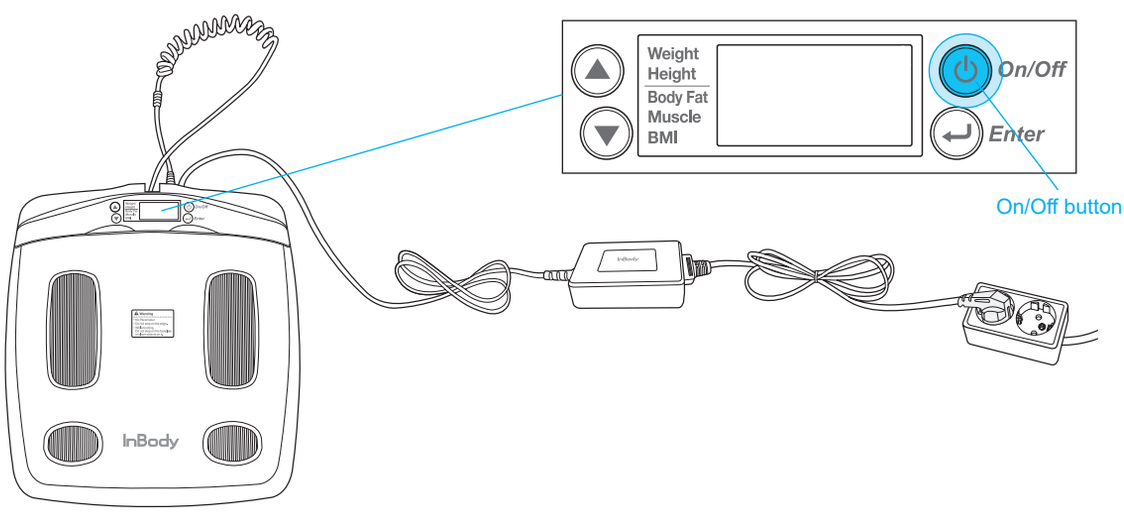
⚠ Warning

- Do not place the InBody120 in a location making it difficult to disconnect the power cord.
- Do not plug in or pull out the power cord with wet hands. There is a risk of an electric shock.
- Always use an outlet connected to the rated power (AC 100~240 V). Using other power rated outlets may result in fire or malfunction.
- When using a power surge protector, make sure the outlet or the extension cable has adequate power capacity.
- Do not disassemble or modify the equipment, including internal parts, without written consent from the manufacturer. This may cause electric shock or injury, product malfunction, inaccurate results, and will void the manufacturer's warranty.
- Do not directly contact the InBody120 with any other electronic devices when the InBody120 is on. This may result in an electric shock.

⚠ Caution

- If the InBody120 is not plugged into a grounded outlet, it may cause damage through electric surges or product malfunction. This may affect the test results.
- Test results may be inaccurate if the InBody120 is under electrical interference. Do not install the InBody120 near products that generate electrical interference such as fluorescent lights, large AC motor equipment (treadmill, vibration plate, refrigerator, air-conditioner, compressor, etc.), high-frequency thermal therapy equipments, or heating appliances. Do not share the power source of the InBody120 with other electrical devices. This may affect the test results.
- Always use the specified adapter provided by InBody, as it is a part of the InBody120. Using other adapters may result in malfunction of the InBody120.
- Operation of the InBody120 2000m above sea level may affect the weight measurement.

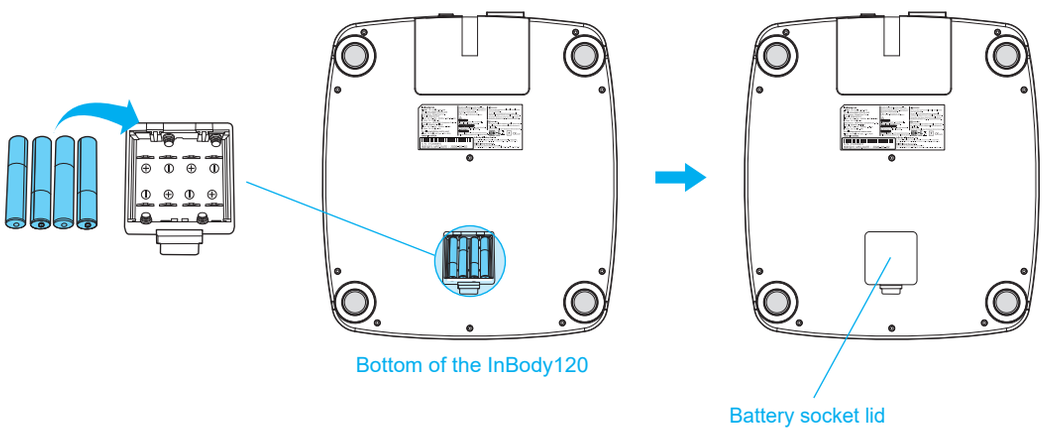
5. Press the [On/Off] button to turn on the InBody120.



6. Follow the instructions below when using batteries.

* When using batteries, the InBody120 will automatically power off when it is not in use for 2 minutes and 30 seconds.
* The InBody120 will not automatically power off when connected with Lookin'Body120.
* Thermal Results Sheet will only print when the InBody120 is plugged into an outlet.

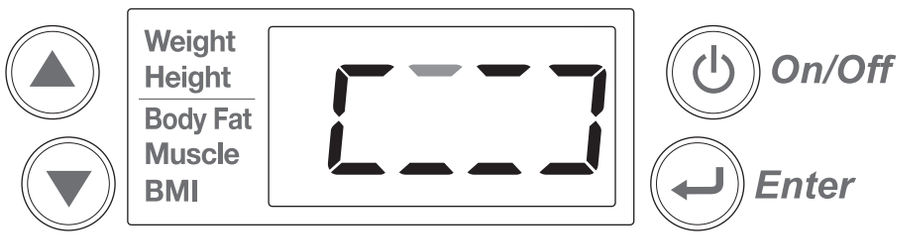
1) Open the battery socket lid which is located on the bottom of the InBody120.
2) Insert 4 AA batteries.
3) Cover the battery socket with the battery socket lid.



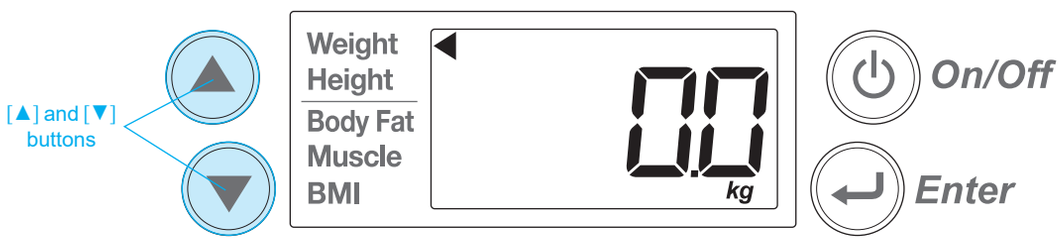
D. Initial Setup

1. The InBody120 automatically starts booting when it is turned on. While booting, it performs a self weight calibration.

   * While booting (about 7 seconds), make sure there is nothing on top of the footplate. Please do not stand on the footplate, or place objects on the footplate.



2. Press and hold the [▲] and [▼] buttons for 3 seconds to enter 'Setup', when no one is on the footplate.



3. The 'Setup' will give you access to setup the language and measuring units.

   1) Language: Setup the language when the following LCD appears. The settings will be applied to the Thermal Results Sheet.

      a. Select '1 LA (1. Language Configuration)', using the [▲] or [▼] button and press the [Enter] button to configure.

      b. Set the language using the [▲] or [▼] button.

      * The InBody120 offers 24 different languages. Please refer following language list and its number.

      ❶English ❷Arab ❸Bulgarian ❹Chinese ❺Czech ❻Finnish ❼French ❽German ❾Greek ❿Italy ⓫Japanese ⓬Korean ⓭Netherlandic ⓮Polish ⓯Portuguese ⓰Brazil ⓱Romanian ⓲Russian ⓳Slovak ⓴Spanish ㉑Maxican ㉒Taiwanese ㉓Thai ㉔Turkish

Language configuration

      c. Save changes by pressing the [Enter] button.

2) Units: Setup the measuring units when the following LCD appears. The settings will be applied to the LCD result screen and the Thermal Results Sheet.

a. Select ‘2 Ut (2. Measuring Unit Configuration)’, using the [▲] or [▼] button and press the [Enter] button to configure.

b. Set the measuring units using the [▲] or [▼] button.

❶ Weight unit: kg, height unit: cm

❷ Weight unit: lbs, height unit: ft. in.

Unit configuration

c. Save changes by pressing the [Enter] button.

3) After configuring language and measuring units, select ‘End’ using the [▲] or [▼] button and press the [Enter] button to exit. The settings will be saved and the InBody120 is now ready for testing.

E. Connecting Lookin’Body120 (Data Management Software) and Thermal Printer

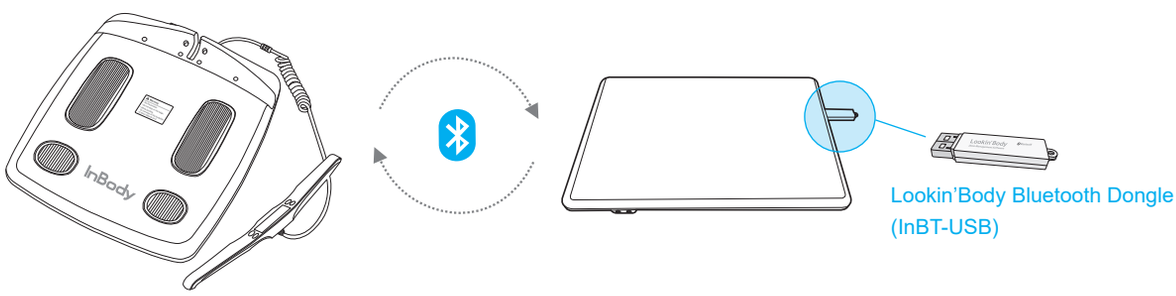
1. Lookin’Body120 (Data Management Software)

Please make sure the following requirements are fulfilled in order to connect the InBody120 to Lookin’Body120.

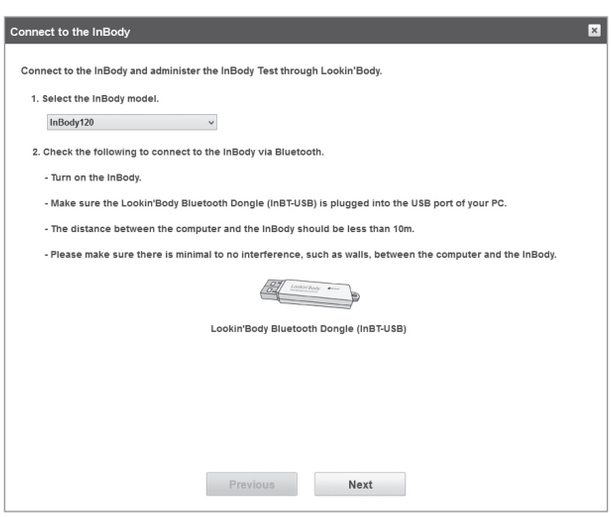
- Make sure the Lookin’Body Bluetooth Dongle (InBT-USB) is plugged into the USB port of your PC.
- The distance between the computer and the InBody should be less than 10m. The greater the distance between the equipment and the computer, the weaker the Bluetooth connection will be.
- Please make sure there is minimal to no interference, such as walls, between the computer and the InBody.

1) Press the [On/Off] button to turn on the InBody120.

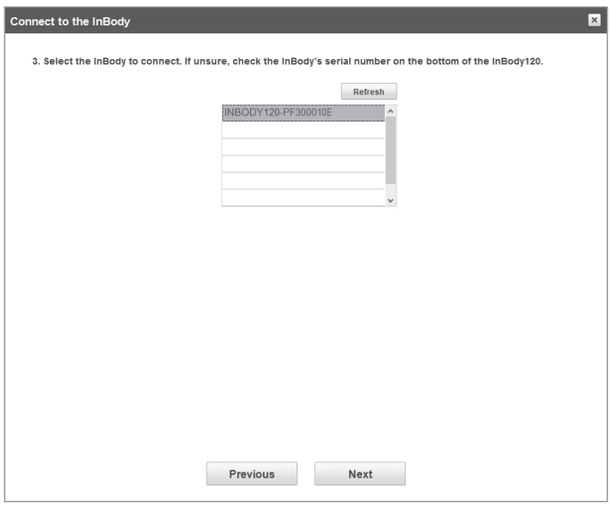
2) Please plug the Lookin’Body Bluetooth Dongle (InBT-USB) from the Lookin’Body120 box into the USB port of your computer where Lookin’Body120 has been installed. Start Lookin’Body120.



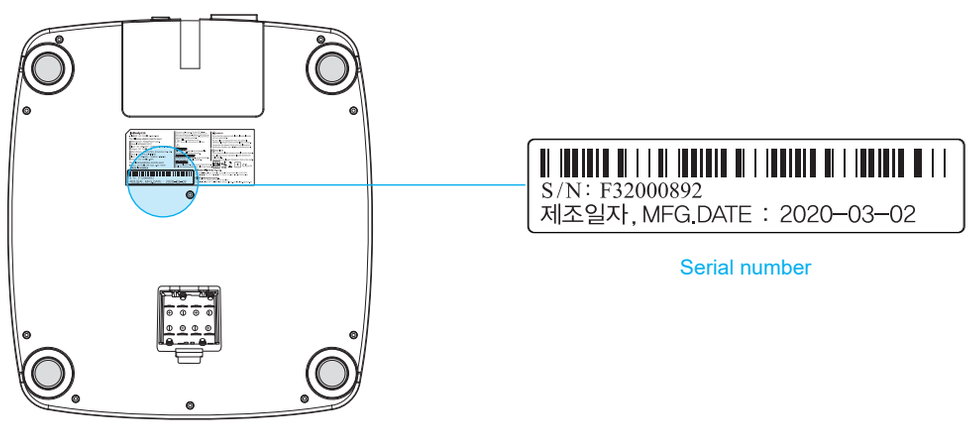
3) Select ‘InBody120’ as the InBody model for Lookin’Body120 connection and click the [Next] button.



4) Lookin’Body120 willl start to search nearby InBody via Bluetooth. Select the appropriate InBody120 to connect.



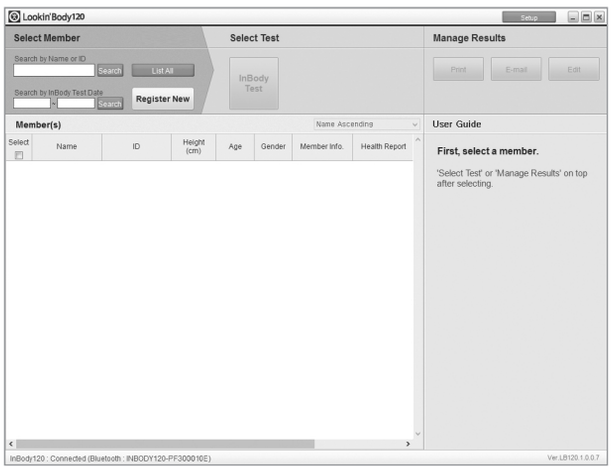
∗If having trouble selecting the appropriate InBody120, check your InBody’s serial number on the bottom of the InBody120.



Serial number

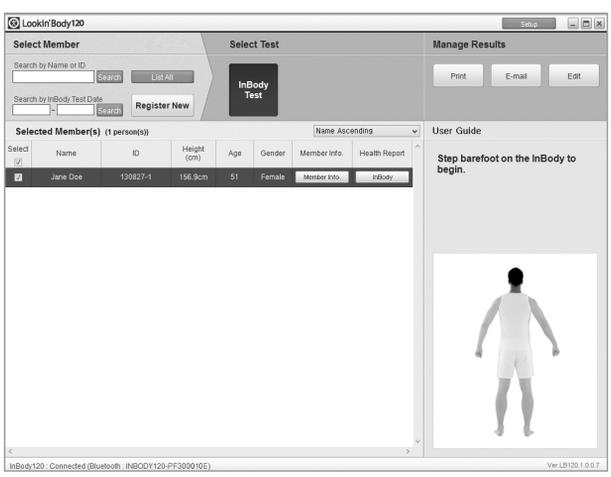
Bottom of the InBody120

5) The following screen will appear on the computer when the InBody120 and Lookin'Body120 are connected successfully. A corresponding Bluetooth icon will also appear on the LCD screen of the InBody120.



6) Click the [Register New] button to register new member and proceed to the InBody Test.

* For more information about Lookin'Body120, please refer to the Lookin'Body120 User's Manual.
* Whether running on the adapter or battery power, the InBody120 will not automatically turn off when connected to Lookin'Body120.

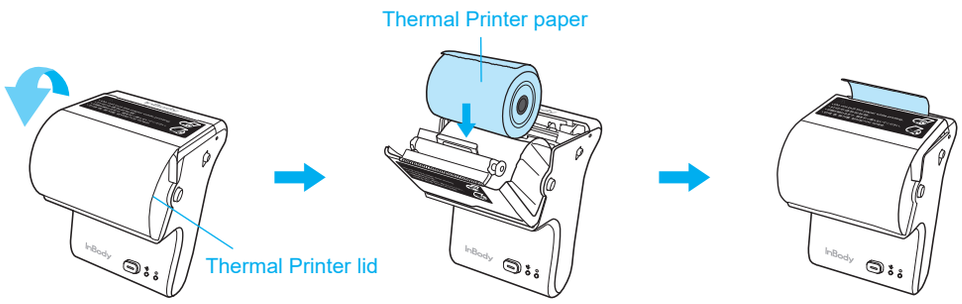


2. Thermal Printer

In order to print a Thermal Results Sheet, an InBody120 compatible Thermal Printer is required.

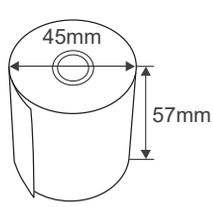
* Always connect a Thermal Printer from InBody.

1) Open the Thermal Printer lid. Insert a roll of the Thermal Printer Paper in the direction illustrated.



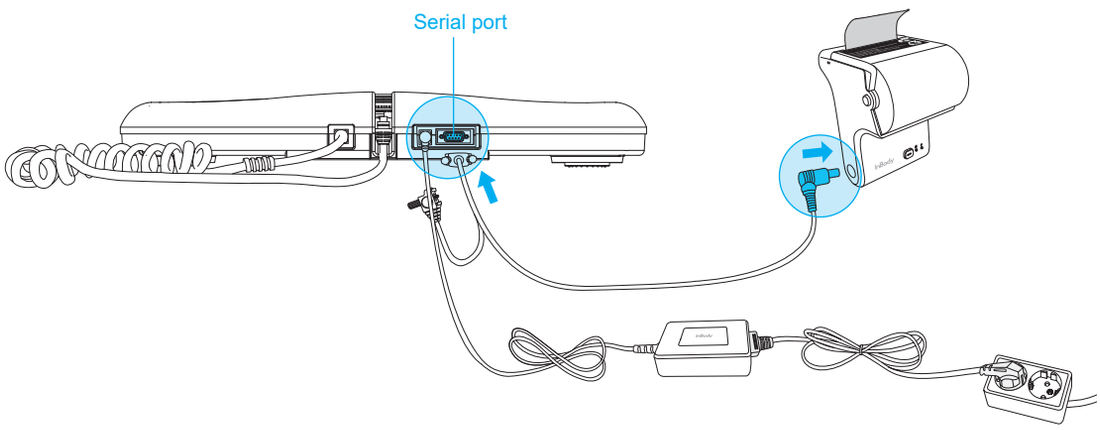
* Please refer to the following illustration to insert the paper in proper direction.

* Please refer to the Thermal Printer Paper size below.
  - External diameter: 45mm
  - Width: 57mm
  - Total length of the Thermal Printer Paper (unrolled): 23 ~ 24m



2) Plug the serial cable provided with the Thermal Printer into the serial port on the rear panel of the InBody120. Plug the other end of the serial port into the printer.

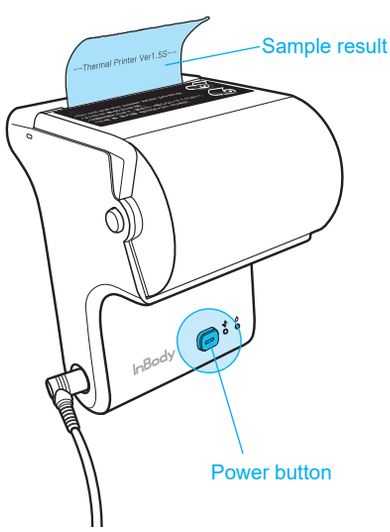
* Thermal Results Sheet will only print when the InBody120 is plugged into an outlet.
* Thermal Results Sheet will not print if the InBody120 is being powered by batteries.



3) Turn on the InBody120.

4) Turn on a Thermal Printer. The Thermal Printer will print a sample results sheet when properly connected.

* When properly connected, the Thermal Results Sheet will automatically print after each InBody Test. To re-print the last test result, press and hold the [Enter] button for over 3 seconds.
* Pull down and tear off the Thermal Results Sheet using the sharp edges on the Thermal Printer.

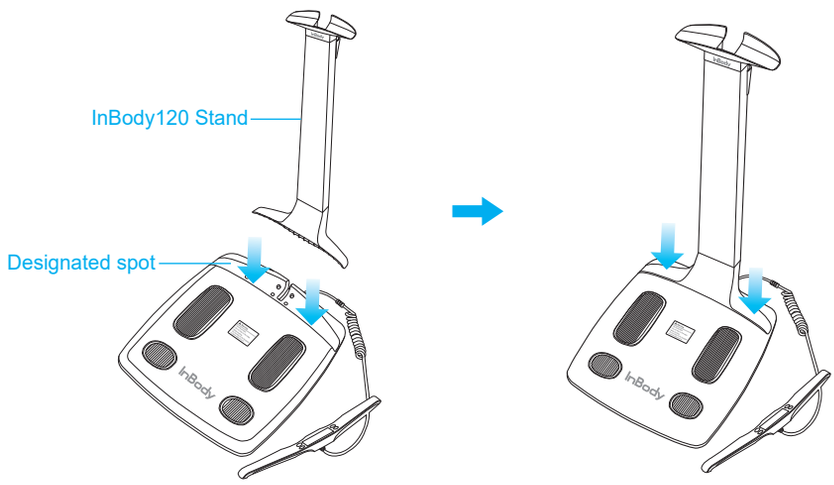


F. Optional Installation Instructions

1. InBody120 Stand

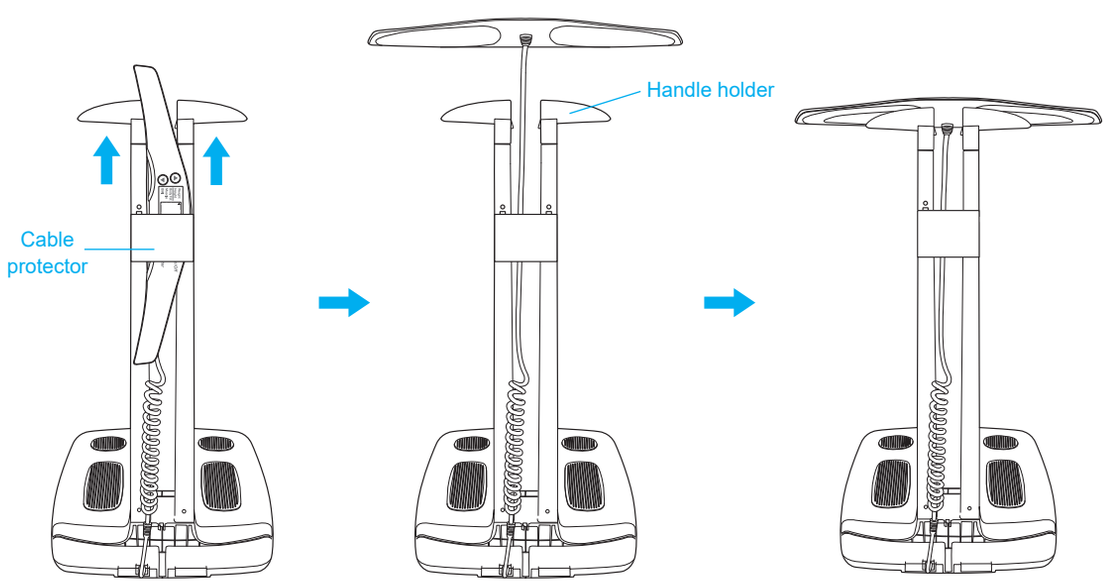
1) Separate the control handle from the footplate. Insert the InBody120 Stand into the designated spot as shown in the illustration below.

2) After fitting the InBody120 Stand into the designated spot, press down firmly to secure it in place.



3) Feed the control handle through the bottom of the cable protector, then place the handle on the handle holder.

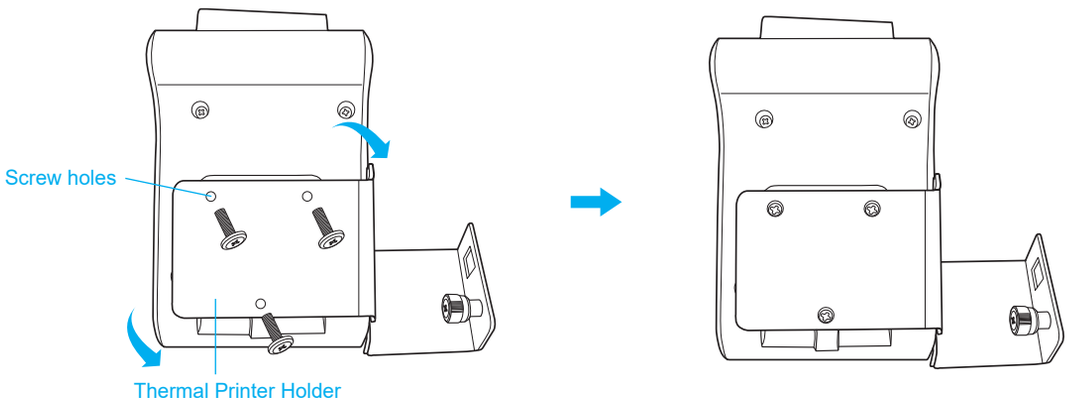
* The cable protector will prevent damages in cases where the control handle is dropped.



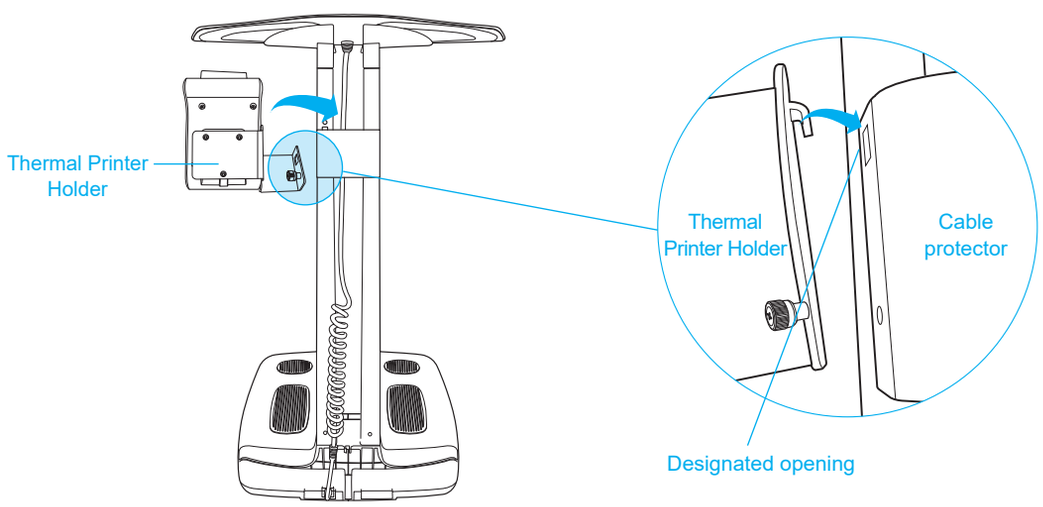
2. Thermal Printer

The Thermal Printer can be installed onto the InBody120 Stand.

1) Align the screw holes on the back of the Thermal Printer with the Thermal Printer Holder and insert the screws from the Thermal Printer Holder to the Thermal Printer as illustrated below, then tighten.

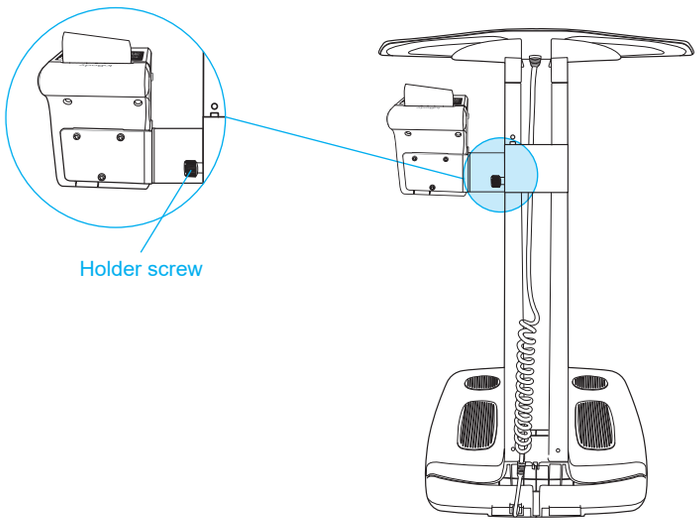


2) Insert the Thermal Printer Holder Hook into the designated opening on the side of the cable protector as illustrated below.



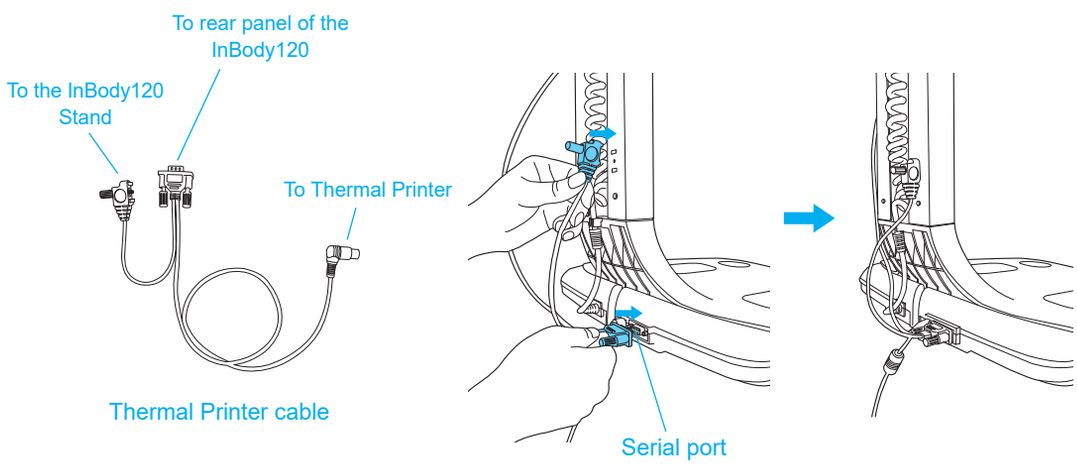
3) Align the screw hole below the hook on the Thermal Printer Holder with the corresponding hole on the side of the cable protector.

4) Tighten the screw from the Thermal Printer Holder to the cable protector as illustrated below.

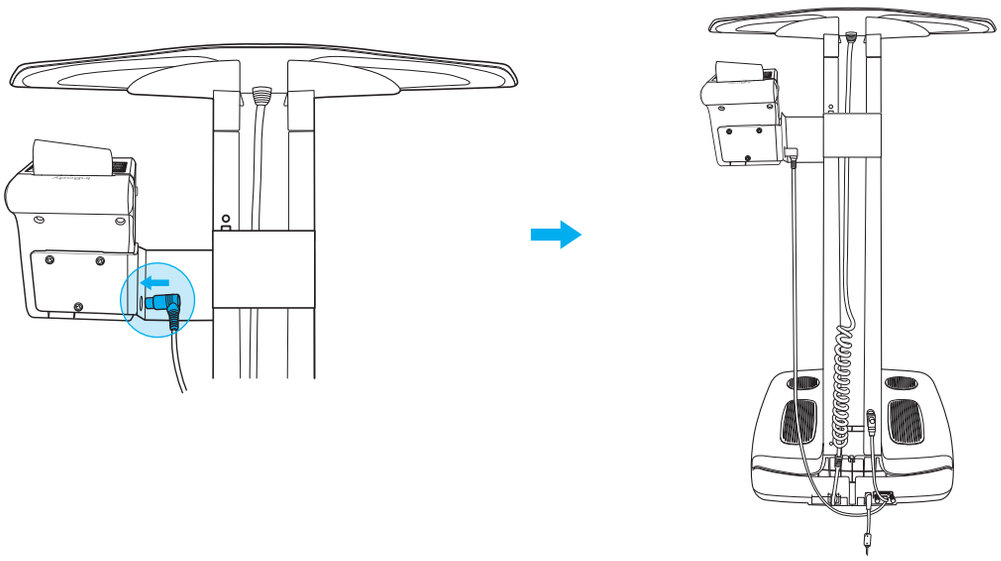


5) Plug the serial cable provided with the Thermal Printer into the serial port on the rear panel of the InBody120. Plug the InBody120 Stand connector to back of the InBody120 Stand as illustrated below.

∗ The InBody120 Stand connector of the Thermal Printer cable will minimize the electrical shock through the Thermal Printer.



6) Plug the Thermal Printer connecting part to the Thermal Printer.



G. Maintenance

⚠ Caution

- Do not bend the handles of the hand electrode.
- Do not place any objects on the footplate.
- Do not apply excessive force on the equipment.
- Turn off the equipment if you are not using it for a day or longer.
- Do not allow any liquid substances contact to the equipment directly. Keep food and drinks away from the equipment. Substances getting inside the equipment can cause critical damage to the electronic components.
- Use a lint-free cloth to gently wipe the external surface of the equipment about once every week. Be careful not to scratch the LCD screen.
- When storing the InBody120, remove the batteries, repackage, and place the equipment on a leveled surface.
- InBody120 does not need regular maintenance. If some problems occur while operating the device, get in touch with the store where you purchased it or A/S manager. We do not take the responsibility about problems caused by any arbitrary repairs.

II. InBody Test

A. Precautionary Steps

⚠ Warning

- Individuals with medical implant devices such as pacemakers, or essential support devices such as patient monitoring systems, must not use this equipment. Safe, low-level currents will flow through the body during the test, which may cause malfunctioning of the device or endanger lives.
- Children and people with limited mobility should be supervised or assisted when attempting to test on the InBody.
- After an individual with any kind of contagious disease or infection tests on the InBody, use an InBody Tissue to clean the equipment.

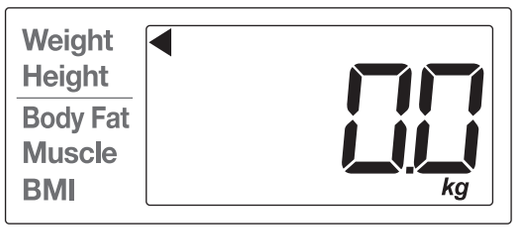
⚠ Caution

- Stand upright for about 5 minutes before testing. Taking the test immediately after lying in bed or sitting for a long period of time might result in a slight change in the test results. This is because body water tends to move to the lower body as soon as the person stands or gets up.
- Do not eat before testing. In cases where the examinee has already eaten, the test should be put off for at least two hours after the meal. This is because food mass is included in the examinee's weight and thus, may result in measurement errors.
- Use the bathroom before testing. Waste is not included in the body's compositional elements, but the volume of urine and excrement is included in the weight measurement affecting accuracy of the test results.
- Do not exercise before testing. Strenuous exercise or sharp movements can cause temporary changes in body composition. Even light exercise can change your body composition temporarily.
- Take the test in the morning, if possible. Body water tends to gravitate towards the lower body throughout the day, affecting accuracy of the test results.
- Thoroughly wipe the palms and soles with the InBody Tissue before testing. Testing may be difficult if the examinee's palms and soles are too dry or if the examinee has too many calluses.

  ∗ For inquires regarding the InBody Tissue, please contact InBody.
- Avoid contact with the examinee during testing. Contact may lead to interference affecting test results.

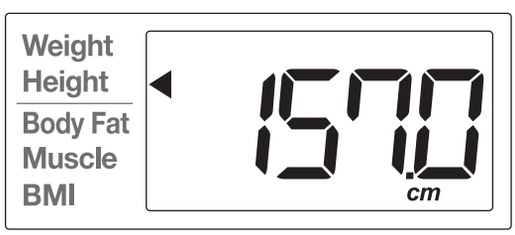
B. Test Instructions

1. Step on the footplate when the screen below is shown.

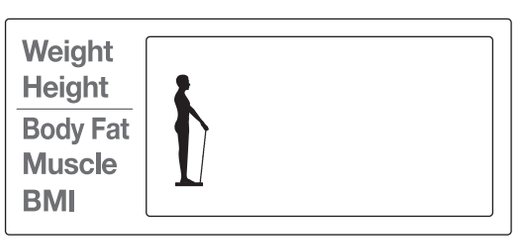


2. Weight measurement begins.

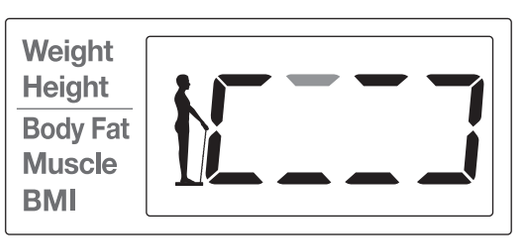
3. Input height by using the [▲] or [▼] buttons, then press the [Enter] button.



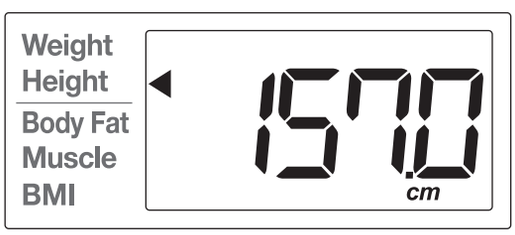
4. Maintain proper posture to take the test.
   * Refer to ‘C. Test Posture.’ for the proper posture.

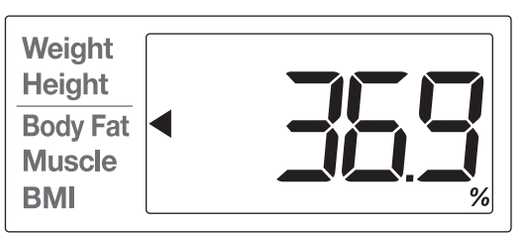


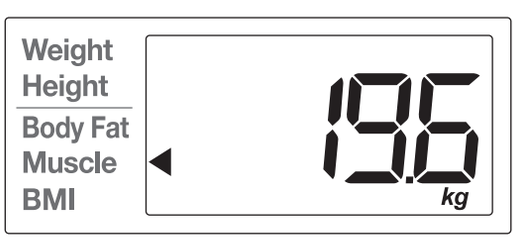
5. The InBody Test will begin.

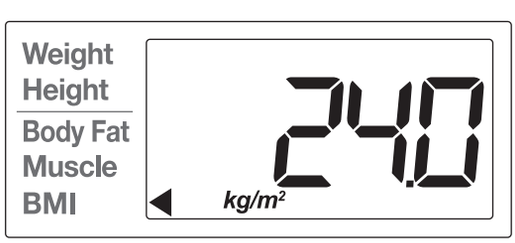


6. When the test is completed, the results will be shown on screen.
   Results: Weight, Body Fat (Percent Body Fat), Muscle (Skeletal Muscle Mass), and BMI
   * A Thermal Results Sheet will be printed if a Thermal Printer is connected. Always use a Thermal Printer from InBody.
   * The printer icon ( ) will appear when printing.
   * If the InBody120 is connected to Lookin'Body120, the Thermal Results Sheet would not print regardless of the connection between the Thermal Printer and the InBody120.
   * To re-print a Thermal Results Sheet, press and hold the [Enter] button for 3 seconds.





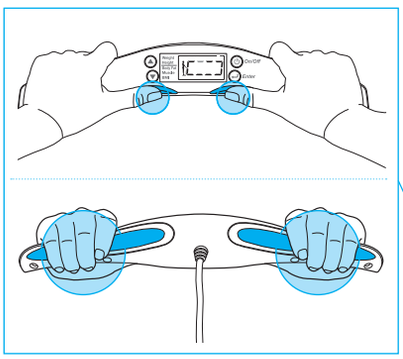




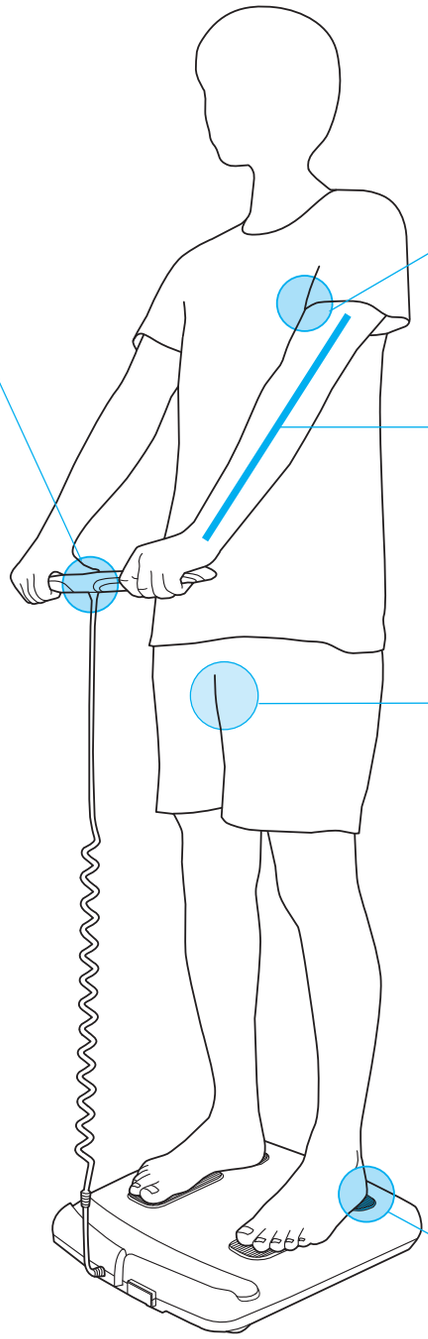
C. Test Posture

The examinee must maintain proper posture to have accurate test results.

* The test will proceed when there is good electrical contact.



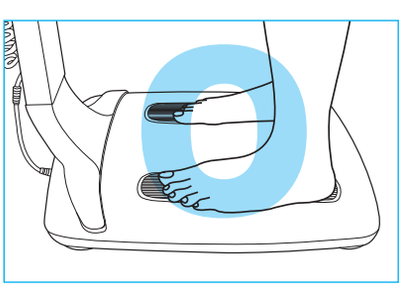
Hold the hand electrode so that the 4 fingers wrap the surface of the bottom hand electrode, and place the thumb on the oval electrode.



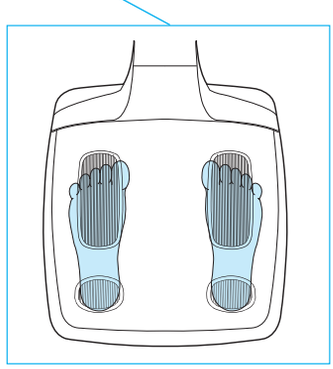
Your arms must not touch the sides of your body. It is strongly recommended to wear shirts with sleeves.

Keep the arms straight.

The thighs should not touch each other. Wear shorts that will separate the thighs, if necessary.



Step on the footplate barefoot.

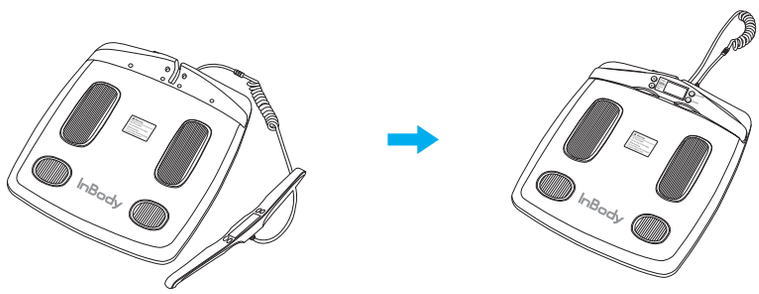


Align feet so that the heels cover the rear sole electrodes while the foot soles cover the front sole electrodes.

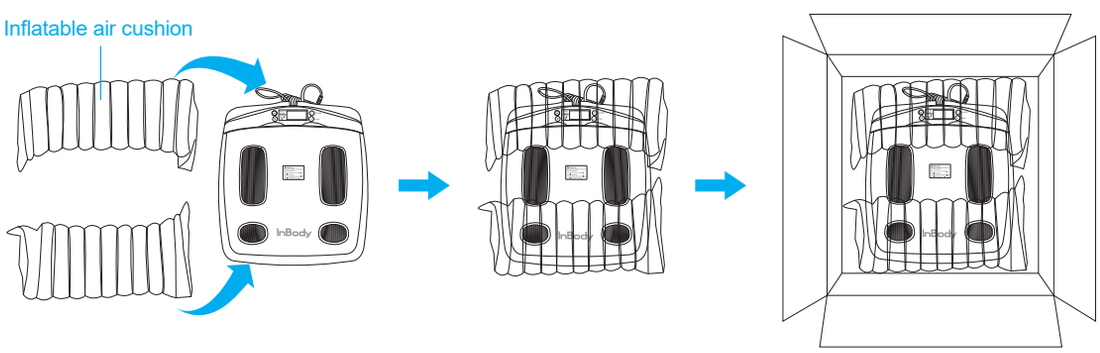
Ⅲ. Transportation and Storage

A. Repacking Instructions

1. Turn off the InBody120.
2. Separate the connected adapter, cords, and cables from the equipment.



3. Wrap the InBody120 with the inflatable air cushion and place it in the packaging box. Then, securely tape the packaging box.



Caution

- Always use the protective packing materials provided by InBody when repacking.

B. Transportation and Storage Environment

The InBody120 should be transported or stored under the following conditions.

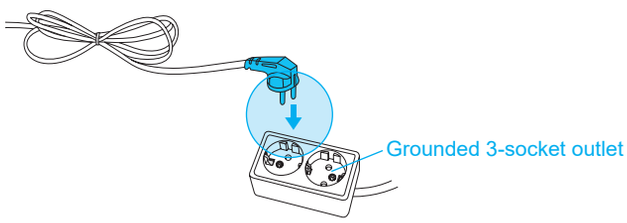
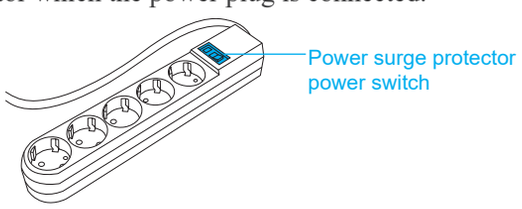
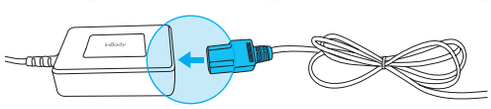
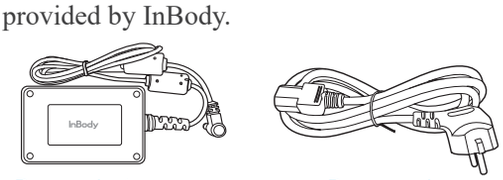
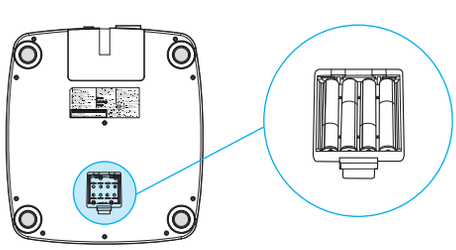
Temperature range	-10 ~ 70˚C (14 ~ 158˚F)
Relative humidity	10 ~ 80% RH (No Condensation)
Atmospheric pressure	50 ~ 106kPa

IV. Frequently Asked Questions (FAQ)

Even if no problems arise from the equipment, users may still have many questions, especially regarding clinical procedures. A few more of the common questions and answers are listed below. If your questions are not answered here, please contact InBody.

A. Regarding the InBody

If a problem arises with the InBody120, please refer the possible solutions below. If your problem cannot be resolved from the following table, please contact InBody.

Question	Answer
• My InBody120 does not turn on.	• Insert the power plug completely into a grounded 3-socket outlet.  • When using a power surge protector, the equipment may not power on if the power switch on the power surge protector is turned off. Check the power surge protector which the power plug is connected.  • The problem may occur if the power cord is not completely plugged into the adapter. Insert the power cord completely into the adapter.  • The problem may occur if you are using the power adapter that is not provided by InBody. Always connect a power adapter (DC 12V, 3.4A/3.34A) provided by InBody.  • Batteries may need to be replaced. Replace with a new set of AA batteries. * If the battery icon ( ) appears on the screen, replace the batteries as soon as possible. Please refer to 'I. InBody120 Installation' in this User's Manual. 

Question	Answer
• Weight measurement seems to be inaccurate.	• Check the equipment is placed to the leveled ground. • Do not lean on the InBody120 Stand while measuring weight. • Measuring units must be properly set. To change measuring unit, please go to 'Setup' by pressing the [▲] and [▼] buttons for 3 seconds. • Restart the InBody. Remove all objects on the footplate during the restart.
• The InBody Test has stopped. (LCD shows error codes during the InBody Test)	It may be due to poor electrical contact with the body. Check the following, then start the test again. • Hands and feet are not maintaining proper contact with their respective electrodes. • Socks or stockings must be removed. • Naturally dry hands and feet must be moistened using an InBody Tissue. For best results, use an InBody Tissue. • Severely dry and calloused hands and feet must be completely wrapped and moisturized using an InBody Tissue for at least 30 seconds. * For inquires regarding the InBody Tissue, please contact InBody. • Restart the InBody. Remove all objects on the footplate during the restart.
• Test results seems to be inaccurate.	Results may be inaccurate in cases listed below. Check the following, then start the test again. • Thumbs and heels are apart from the electrodes. • Socks or stockings are worn. Test must be completed barefoot. • There may be poor electrical contact due to dry hands or feet. Moisten before testing. For best results, use an InBody Tissue. * For inquires regarding the InBody Tissue, please contact InBody. • Severely dry and calloused hands and feet must be completely wrapped and moisturized using an InBody Tissue for at least 30 seconds.
• I would like to connect other equipment to the InBody120.	• Please refer to 'I. InBody120 Installation E. Connecting Lookin'Body120 (Data Management Software) and Thermal Printer' in this User's Manual.

B. Regarding the InBody Test

Some of the more common clinical questions are answered below. If additional questions or more clarification is desired, please contact InBody.

Question	Answer
• Must socks or stockings be removed for the InBody Test?	• Bare skin contact is essential in the analysis using the BIA method. Socks or stockings may cause a varying degree of distortion in the results. Socks or stockings must be removed to obtain accurate data.
• Is it okay to wear accessories (jewelry, watch, rings, etc) or metal objects while taking the InBody Test?	• The ideal condition for the analysis is simply standing with no clothes and wearing no accessories. However, this may not always be possible. Therefore, we recommend that the examinee remove as many clothing items and accessories that may affect the weight as possible.
• Who cannot take the InBody Test or will have difficulties taking the InBody Test?	• Individuals with medical implant devices such as pacemakers, or essential support devices such as patient monitoring systems, must not use this equipment. The currents will flow through the body during the test, which may cause malfunctioning of the device or endanger lives. • Children, amputees, or the elderly, may have trouble testing if they cannot hold the hand electrodes or stand still on the foot electrodes.
• Can a person with metal implants in the body take the InBody Test?	• The ideal test methodology is where the examinee does not wear anything metallic. Individuals with metallic implants may have skewed test results due to the conductivity of the metal affecting the results. • As the weight of clothes and other wear affects the results of the body composition analysis, it is strongly recommended to take off any heavy clothing or metallic wear. Except for the weight, jewelry does not effect the body composition analysis, as the contact point with the InBody120 are hands and feet.
• I have limited mobility and cannot maintain proper posture for the InBody Test. How can I still be tested?	• It is impossible to test if an individual cannot maintain contact with the hand or foot electrodes. InBody has a line of products that conduct body composition analysis on bed ridden examinees that allow the patients to stay in bed. For more information, please contact InBody.
• Is the electric current harmful to the body?	• The physiological electric impedance method uses safe low level currents that is not harmful to the body. The safety of the InBody has been tested and proven. The InBody products have been approved for medical use by the CE and all over the world. Many medical institutions around the world are actively using the InBody.
• How often should I take the InBody Test?	• Individuals who are undergoing any programs that may affect their body composition are strongly recommended to have the InBody Test done every two to four weeks. • Consistent testing will allow individuals to track and monitor their progress over time.
• What are the precautionary steps to ensure accuracy of the InBody Test?	• Please refer to ‘A. Precautionary Steps’ in section ‘II. InBody Test’ in this User’s Manual.

V. Others

* The InBody120 is manufactured according to the quality management procedure of InBody. InBody complies with the ISO9001 and ISO13485 which are international quality management systems.
* This equipment satisfies the IEC60601-1(EN60601-1), an international safety standard for electronic medical equipment. This equipment also satisfies the IEC60601-1-2(EN60601-1-2), an international standard for electromagnetic conformity.

A. Exterior and Functions

The followings are the names and functions of each part of the InBody.

* Please inspect each component of the InBody120 for damage prior to installation.

1. Upper Part

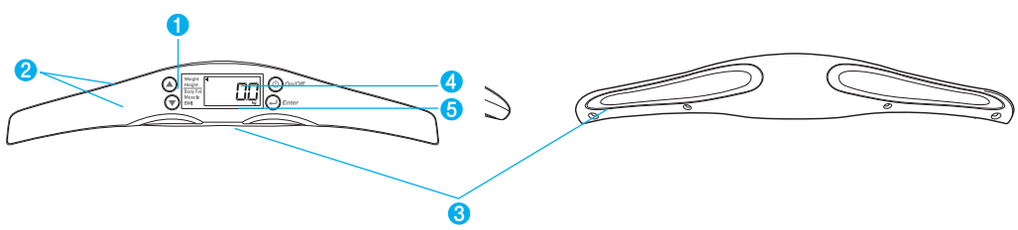
❶ LCD screen: Shows each stage of the test, test results, etc.

❷ Directional buttons: Used for inputting height, accessing to 'Setup' and changing the 'Setup'.

❸ Hand electrode: Examinee holds the hand electrode so that the 4 fingers wrap the surface of the bottom hand electrode while the thumb is placed on the oval electrode.

❹ On/Off button: Used for turning on/off the equipment.

❺ Enter button: Used to input data, save changes in 'Setup' and re-print the Thermal Results Sheet when it is connected to the Thermal Printer.

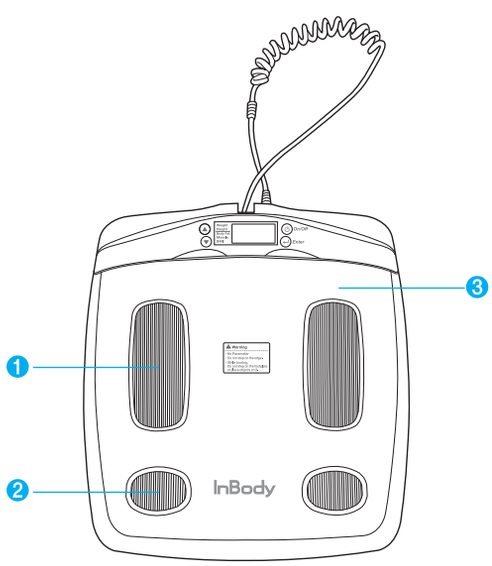


2. Footplate

❶ Front sole electrode: The examinee makes contact with this electrode by stepping with the front part of their foot.

❷ Rear sole electrode: The examinee makes contact with this electrode by stepping with the heel of their foot.

❸ Footplate: This is connected to the scale, which measures the examinee's weight.



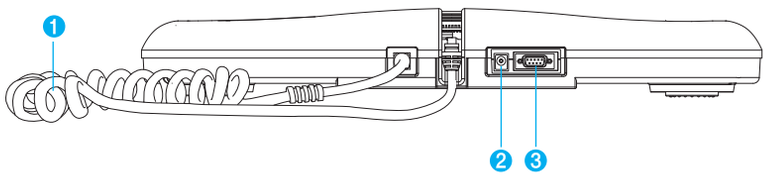
3. Rear Panel

❶ Main Cable: Joins the control handle to the footplate.

❷ Power input port: Used for connecting to the power adapter.

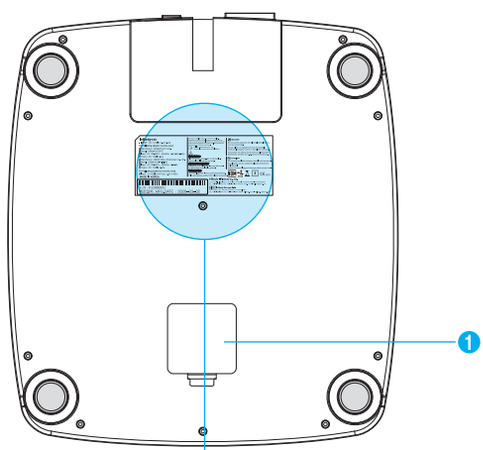
❸ 9-pin serial port (Female, RS-232C): Used for connecting the InBody120 to a Thermal Printer.

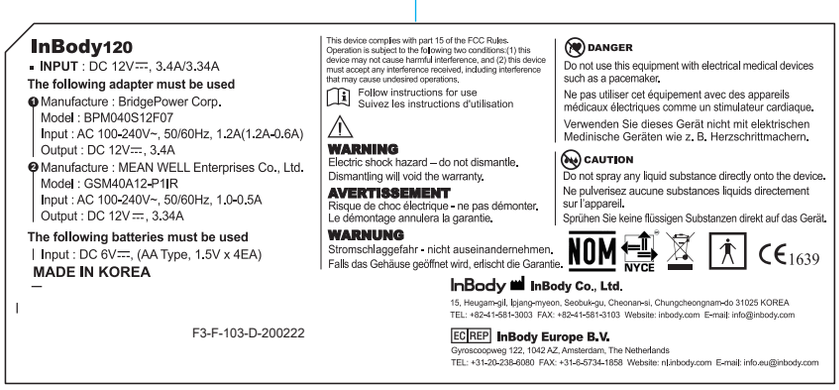
* Only compatible with a InBody Thermal Printer.



4. Bottom Part

❶ Battery tray: Used for inserting batteries.





⚠ Warning

- Do not touch signal input, signal output or other connectors, and the patient simultaneously.
- External equipment intended for connection to signal input, signal output or other connectors, shall comply with relevant IEC Standard(e.g., IEC60950 for IT equipment and IEC60601-1 series for medical electrical equipment). In addition, all such combination-system-shall comply with the standard IEC60601-1 and/or IEC60601-1-1 harmonized national standard or the combination. If in doubt, contact qualified technician or your local representative.

B. Safety Information

Indicators

	9-pin serial port (Female, RS-232C)

Safety Symbols

	Dangerous High Voltage
	Warning, Caution
	BF Type Equipment
12V ⎓, 3.4A / 3.34A	Adapter
	Power On
	Power Off

Etc. Symbols

CE 1639	European Conformity	SN	Serial number
	Manufacturer	⎓	Direct current
EC REP	Authorized representative in the EUROPEAN COMMUNTY		Operating instructions

Disposal of old Electrical & Electronic Equipment
(Application in the European Union and other European countries with separate collection system.) This symbol indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling this product, please refer to local governing ordinances and recycling plans.

Follow instructions for use
Suivez les instructions d’utilisation

WARNING

Electric shock hazard – do not dismantle.
Dismantling will void the warranty.

AVERTISSEMENT

Risque de choc électrique - ne pas démonter.
Le démontage annulera la garantie.

DANGER

Do not use this equipment with electrical medical device such as a pacemaker.
Ne pas utiliser cet équipement avec des appareils médicaux électriques comme un stimulateur cardiaque.

CAUTION

Do not spray any liquid substance directly onto the device.
Ne pulverisez aucune substances liquids directement sur l’appareil.

CAUTION

No excessive force on shoulder joint
Ne pas appliquer de force excessive sur les bars articulés.

C. Classification

Body Composition Analyzer of Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method.

- Type of protection against electric shock : Class I
- Type of the applied parts : BF Type
- Degree of protection against water infiltration : IPX0
- EMC Immunity : Level A EMC Emission : Level A
- Equipment is not suitable for use in the presence of flammable mixture.

D. Specifications

Bioelectrical Impedance (BIA) Measurement Items	Bioelectrical Impedance (Z)	10 Impedance Measurements by Using 2 Different Frequencies (20kHz, 100kHz) 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, SMFIM	
Body Composition Calculation Method	No Empirical Estimation	
Outputs (Thermal Results Sheet)	Results • Height • Weight • Muscle Mass • Percent Body Fat • Body Mass Index • Basal Metabolic Rate • Waist-Hip Ratio • Visceral Fat Level Impedance (Each frequency, Each segment)	
Outputs (∗Optional, InBody Results Sheet via Data Management Software Lookin'Body120)	Results and Interpretation • Body Composition Analysis (Total Body Water, Protein, Minerals, Body Fat Mass, Weight) • Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) • Obesity Analysis (Body Mass Index, Percent Body Fat) • Segmental Lean Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Segmental Fat Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Body Composition History (Weight, Skeletal Muscle Mass, Percent Body Fat) • InBody Score • Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control) • Research Parameters (Basal Metabolic Rate, Waist-Hip Ratio, Visceral Fat Level, Obesity Degree) Results Interpretation QR Code Impedance (Each frequency, Each segment)	
Logo	Name, Address, and Contact Information can be shown on the Thermal Results Sheet and InBody Results Sheet (via data management software Lookin'Body120)	
Digital Results	LCD Monitor, Data management software Lookin'Body120	

Types of Result Sheets	Thermal Results Sheet, InBody Results Sheet (via data management software Lookin'Body120)		
Sound Guidance	Provides beeping sound for test in progress, test complete, and saved Setup changes.		
Setup	Setup: Language and Measuring Units Configuration on the Thermal Results Sheet		
Applied Rating Current	150μA (± 50μA)		
Battery	DC 6V (1.5V AA, 4 EA)		
Adapter	Bridgepower (BPM040S12F07)	Power Input	AC 100-240V, 50/60Hz, 1.2A(1.2A-0.6A)
		Power Output	DC 12V⎓, 3.4A
	Mean Well (GSM 40A12-P1IR)	Power Input	AC 100-240V, 50/60Hz, 1.0-0.5A
		Power Output	DC 12V⎓, 3.34A
Display Type	48 × 24 FSTN LCD		
Internal Interface	Keypad		
External Interface	RS-232C 1EA, Bluetooth 1EA		
Compatible Printer	Thermal Printer from InBody		
Dimension	392 (W) × 434 (L) × 55.2 (H): mm 15.4 (W) × 17.1 (L) × 2.17 (H): inch ∗ With the InBody120 Stand (Optional) 393 (W) × 516 (L) × 732 (H): mm 15.5 (W) × 20.3 (L) × 28.8 (H): inch		
Equipment Weight	4.3 kg ∗ With the InBody120 Stand (Optional) 5.7 kg		
Testing Time	About 17 seconds		
Operation Environment	10 ~ 40˚C, 30 ~75% RH, 70 ~ 106kPa		
Storage Environment	-10 ~ 70˚C , 10 ~80% RH, 50 ~ 106kPa (No Condensation)		
Testing Weight Range	5 ~ 250kg (11 ~ 551lbs)		
Testing Age Range	3 ~ 99 years		
Height Range	50 ~ 300cm (1ft. 7.7in. ~ 9ft. 10.1in.)		

∗ Specifications may change without prior notice.

E. EMC declaration

The InBody120 is intended for use in the electromagnetic environment specified below. The customer or the user of the InBody120 should assure that it is used in such an environment.

Electromagnetic emissions		
Emissions test	Compliance	Electromagnetic environment
RF emissions CISPR 11	Group 1	The InBody120 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class A	The InBody120 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

Electromagnetic immunity – for all ME equipment and ME systems			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	± 2 kV for power supply lines ± 1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT for 25 cycles <5 % UT (>95 % dip in UT) for 5 s	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT for 25 cycles <5 % UT (>95 % dip in UT) for 5 s	Mains power quality should be that of a typical commercial or hospital environment. If the user of the InBody120 requires continued operation during power mains interruptions, it is recommended that the InBody120 be powered from an uninterruptible power supply or a battery.

Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the InBody120, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=1.2\sqrt{P}$ $d=1.2\sqrt{P}$ 80 MHz to 800 MHz $d=2.3\sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,a should be less than the compliance level in each frequency range.[b] Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	

NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

[a] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the InBody120 is used exceeds the applicable RF compliance level above, the InBody120 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the InBody120.

[b] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

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