


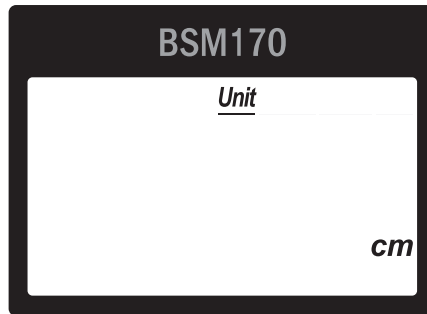


4) Unit: Units used for measurement.




- a. Use the  button to move to 'Unit' and then press the  button.
- b. Use the  button to set the unit appropriate for the test environment.
 - * Unit can be set to be cm or feet and inches.

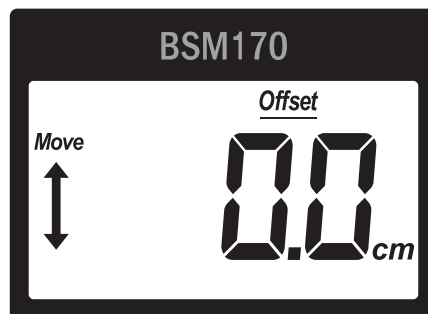


Unit setup

- c. Save changes by pressing the  button.



5) Offset value: Setting an offset value allows height measurements to be adjusted automatically.

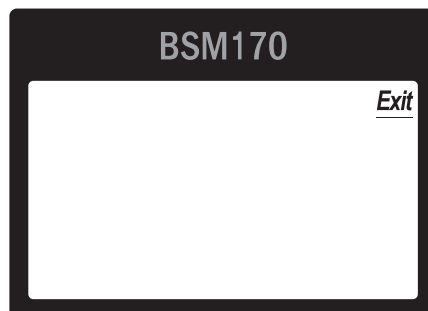
- a. Use the  button to move to 'Offset' and then press the  button.
- b. Move the measurement unit up or down to set an offset value appropriate for your test environment.
 - * Offset value can be set up to ± 99.9 cm.
 - * To reset the offset value to 0.0, press the  button.





Offset value setup

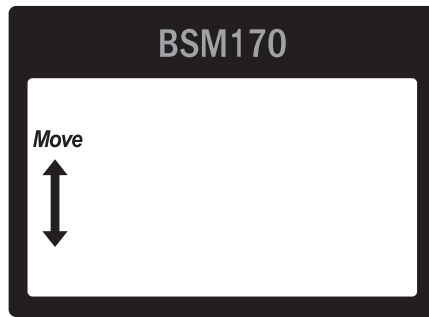
- c. Save changes by pressing the  button.

6) After configuring the BSM170/170B, press the  button to move to 'Exit' and press the  button. BSM170/170B is now ready for use.



2. Optional Settings

1. After turning on the BSM170/170B, press and hold the  button and the  button on the measurement unit simultaneously for at least 3 seconds to enter the Setup menu.

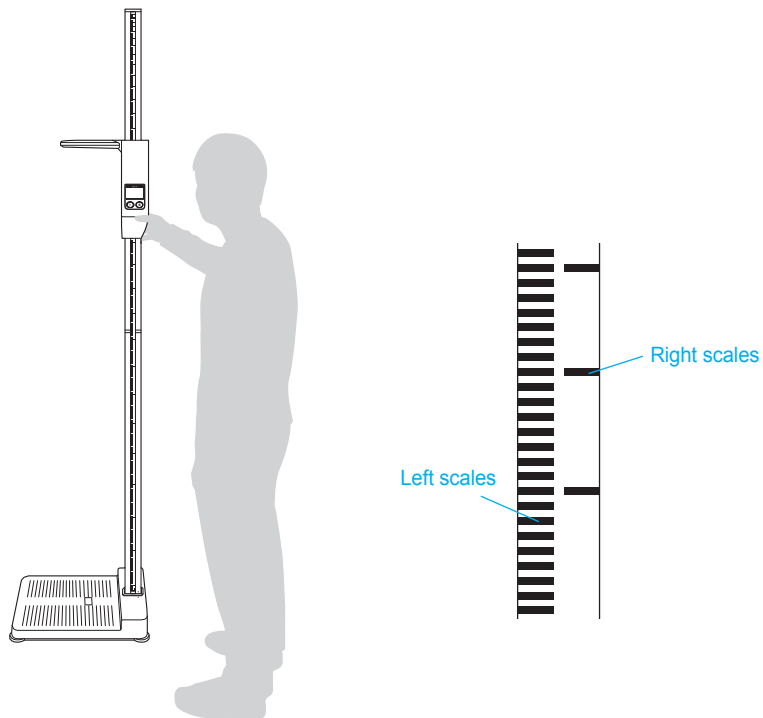


2. In the Setup menu, you can calibrate the equipment or reset factory default settings.

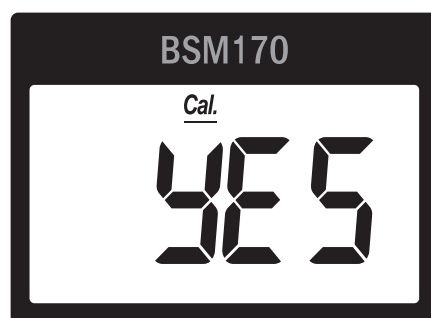
1) Calibration: The equipment can be calibrated to ensure correct measurement values.

- a. Raise the measurement unit to eye level as illustrated below.



* The measurement unit should be at least a minimum of 92 cm off the footplate.

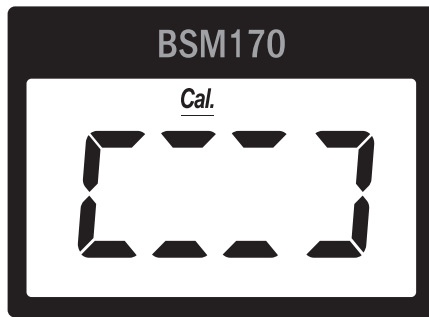



- b. Use the  button to move to 'Cal.' and then press the  button.

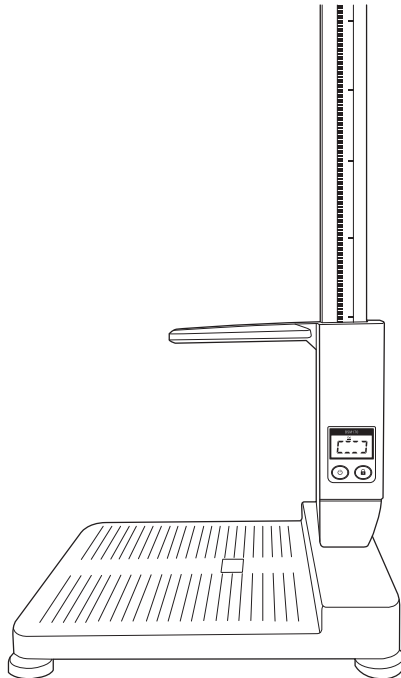


Calibration setup

- c. Use the  button to move to 'Yes' and then press the  button.
Calibration will begin.




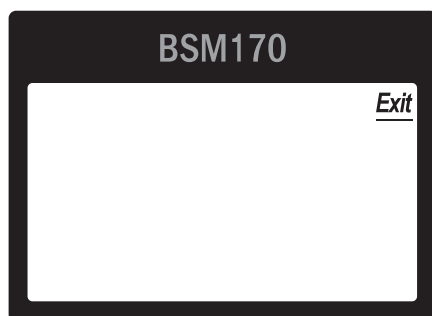
- d. Lower the measurement unit all the way down of the footplate and press the  button.
* The measurement unit must be lowered until it is resting against the footplate.



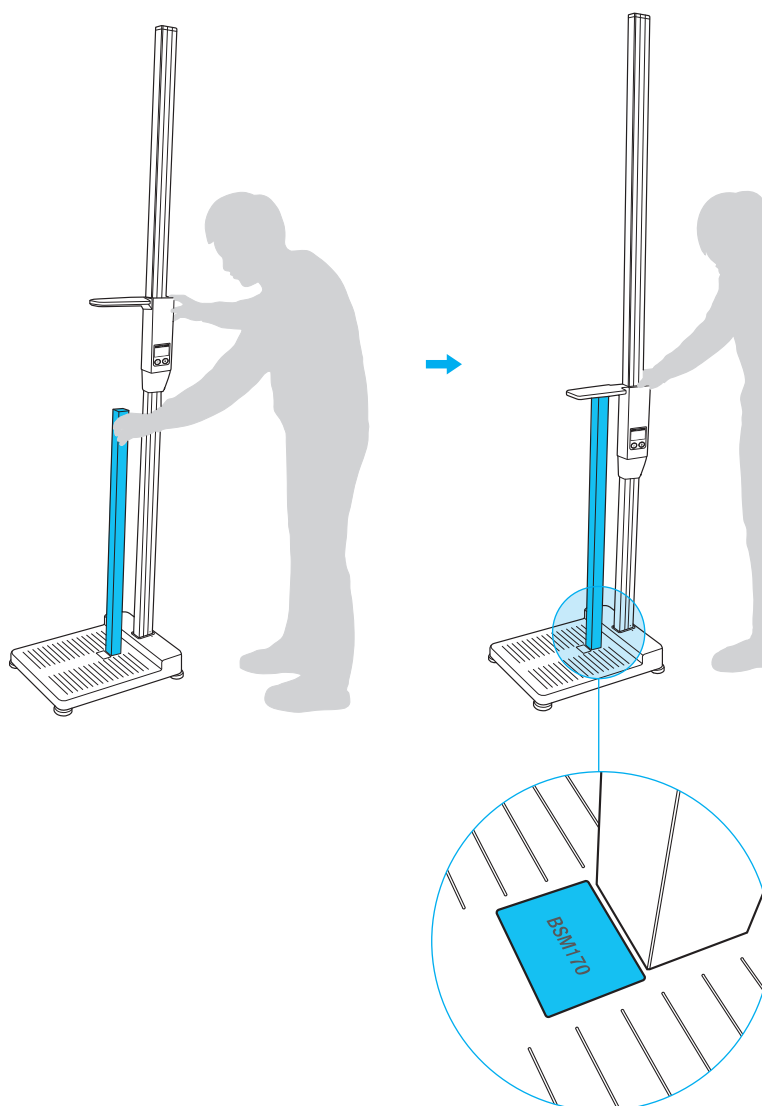
- e. The number '34.3' appears on the LCD screen.



- f. Press the  button to move to 'Exit' and then press the  button. BSM170/170B is now ready for use.

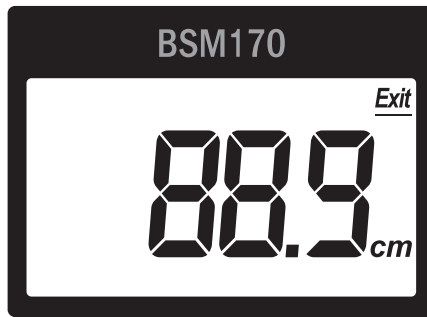


- g. Erect the Test Jig provided at the logo on the footplate and lower the measurement unit so that it touches the top of the Test Jig as illustrated below.
- * The Test Jig must be positioned perpendicular to the footplate.
 - * The Test Jig must be positioned correctly.



h. Check that the '88.9cm' is shown on LCD screen of the measurement unit.

* If '88.9cm' is not shown on the LCD screen(error range: ± 0.1 cm), please contact InBody.

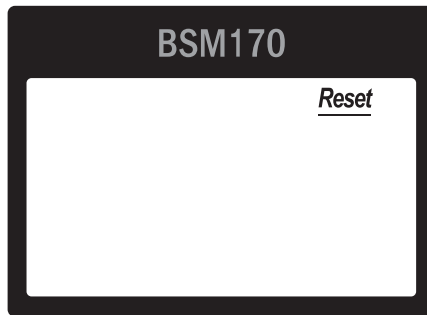


2) Reset: Reset all settings to factory settings.

a. Use the  button to move to 'Reset' and then press the  button.

b. Use the  button to move to 'Yes' and then press the  button.

All stored settings will be reset.



Reset

E. Maintenance

Caution

- It may not be possible to take any measurements if the measuring tape has been damaged or dirtied.
- It may not be possible to take any measurements if there is an excessive amount of shock placed on the measurement unit.
- The screw adjusting movement of the measurement unit along the Stand may be loosened according to environmental changes and usage duration. Use the pressure adjusting screw on the rear of the measurement unit to adjust the pressure appropriately.
- Use batteries made by the same manufacturer.
- Do not lean on the Stand or apply excessive shock to it.
- When storing the BSM170/170B, remove the batteries and repackage.

II. Height Measurement

A. Precautionary Measurements

 **Warning/ Caution**

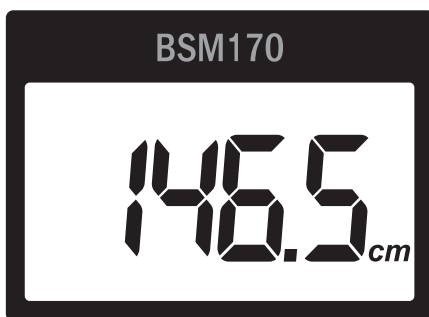
- If the equipment is unstable or unbalanced when you step on the footplate, use the footplate adjustment screws to ensure that the equipment is level before taking measurements.
- Take care when lowering the measurement unit to not catch your fingers.
- Do not run around run around or play around the footplate. This may result in serious injury.
- Children and people with limited mobility should be supervised or assisted when attempting to measure on the BSM170/170B.



B. Measurement Instructions

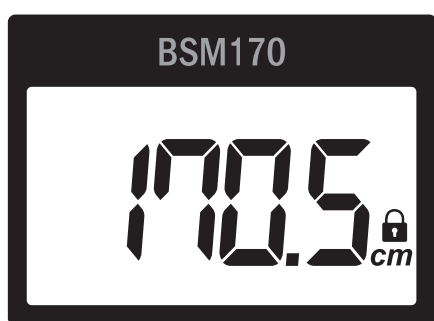
1. Move the measurement unit so that a number is displayed on the screen.



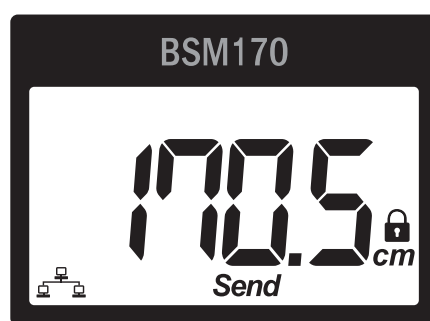
2. Step on the footplate barefooted and lower the measurement unit so that the upper part of the measurement unit touches the examinee's head. The height measurement is shown on the LCD screen, as illustrated below.



- * If the measurement value hold feature has been enabled in Setup, pressing the  button after desired measurement is displayed on the LCD, locks the measurement for the set hold time.
- * Only BSM170B can connect to the InBody via its integrated Bluetooth. Please refer to the InBody User's manual about Bluetooth connection guide. If the BSM170B is connected to an InBody, pressing the  button shows the 'send' message on the LCD screen, as illustrated below, and transmits the measured value to the InBody.



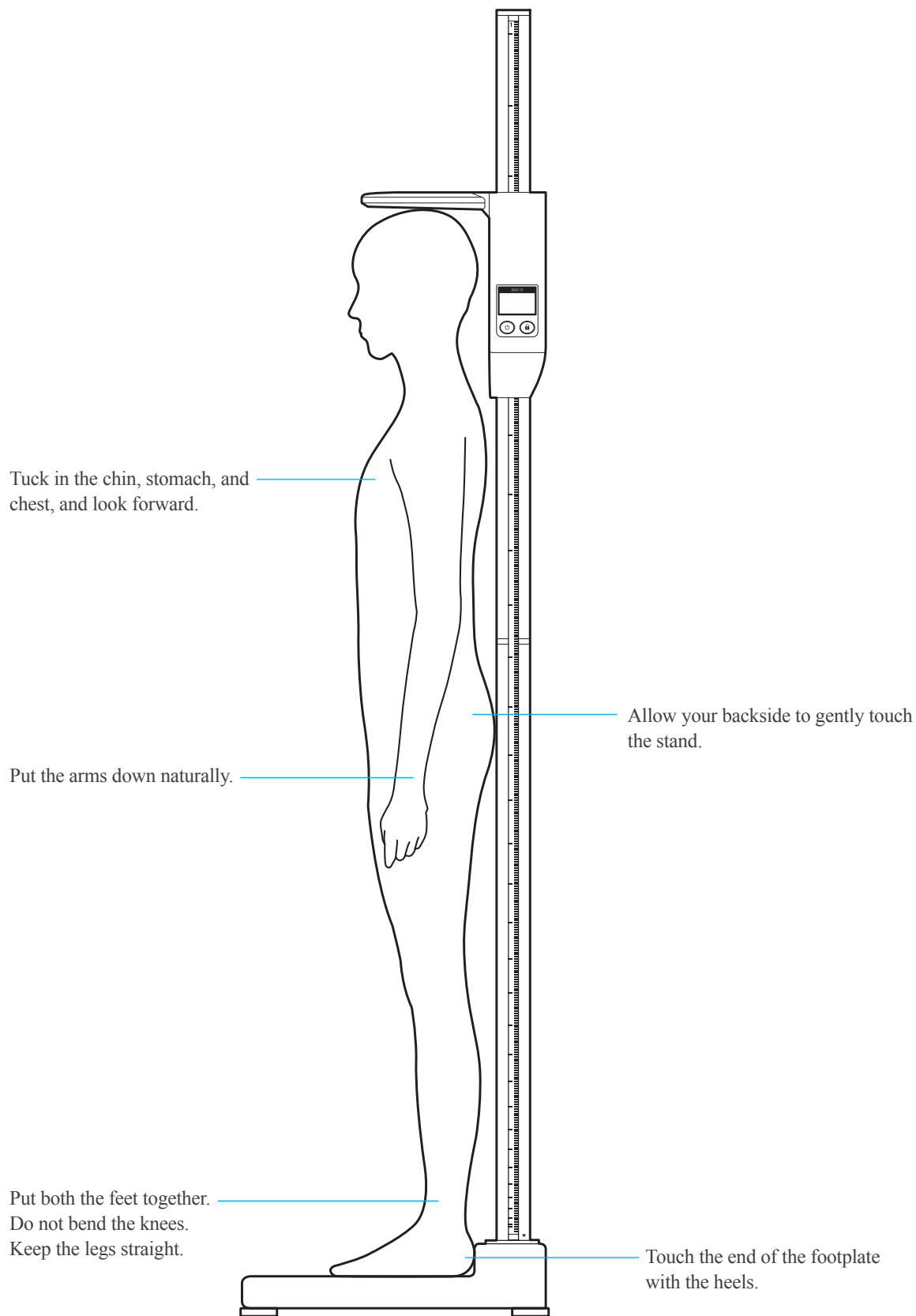
<When not connected to InBody>



<When connected to InBody>

C. Measurement Posture

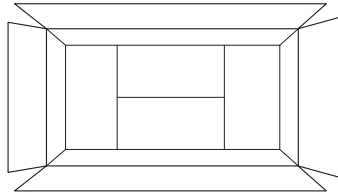
The examinee must maintain proper posture to have accurate measurement results.



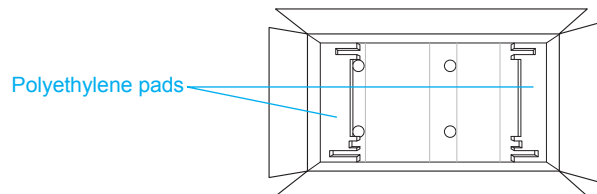
III. Transportation and Storage

A. Repacking Instructions

1. Prepare the BSM170/170B packaging box.

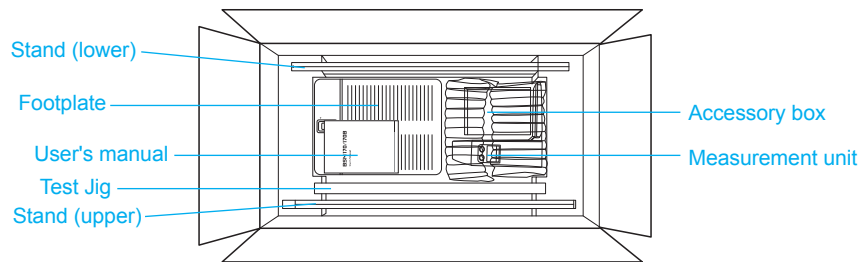


2. Place the paper pad on the bottom and put 2 small Polyethylene pads on both sides of the packaging box, as illustrated below.

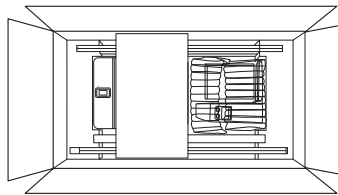


3. Position the disassembled components as illustrated below.

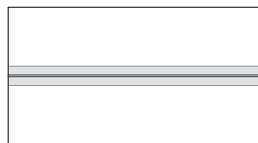
* Accessory box: measurement tape 1EA, footplate mounting screws 4EA, Stand mounting screws 4EA, AA batteries 4EA



4. Place 1 big Polyethylene pad over the footplate.



5. Close the packaging box and seal it with tape.




B. Transportation and Storage Environment

The BSM170/170B should be transported or stored under the following conditions.

| | |
|----------------------|-------------------------------|
| Temperatures range | -10 ~ 70°C |
| Relative humidity | 10 ~ 80% RH (No Condensation) |
| Atmospheric pressure | 50 ~ 106kPa |

IV. Frequently Asked Questions

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 you encounter problems while using the BSM170/170B or have questions concerning height measurement, please refer to the possible solutions below. If your problem cannot be resolved from the following table, please contact InBody.

| Question | Answer |
|---|---|
| <ul style="list-style-type: none"> • My BSM170/170B does not turn on. | <ul style="list-style-type: none"> • Batteries may need to be replaced. <ul style="list-style-type: none"> * If the battery icon () appears on the screen, replace the batteries as soon as possible. |
| <ul style="list-style-type: none"> • Height measurement seems to be inaccurate. | <ul style="list-style-type: none"> • Check to see the BSM170/170B is level. • Restart the BSM170. • The measuring tape may be dirty. Wipe the measuring tape with a soft tissue. Do not use cleaning solutions as they may damage the measuring tape. • Check if the measurement tape is protruding above the top of the Stand. The measurement tape must be inserted all the way to the end of the stand. • The arrow mark on the measurement tape must face downward so that, when assembled, the finer gradation is visible on the left-hand side. <div data-bbox="699 965 1358 1189" style="text-align: center;"> </div> <ul style="list-style-type: none"> • The correct measurement position must be maintained. For details on the measurement position, see ‘C. Measurement Position’ under ‘II. Height Measurement’ in this user’s manual. |
| <ul style="list-style-type: none"> • The Stand is not secure or stable. | <ul style="list-style-type: none"> • Check that the bottom and joint mounting bolts are fastened tightly. |
| <ul style="list-style-type: none"> • The measurement unit is difficult to lower. | <ul style="list-style-type: none"> • Turn the adjustment screw on the rear of the measurement unit left or right to adjust the tightness for smooth vertical movement of the measurement unit. <ul style="list-style-type: none"> * By default, high pressure is applied to keep the measurement unit from slipping down freely. If the pressure weakens and the base begins to slip downward, turn the screw clockwise to increase the pressure. * If the screw is tightened too tightly, the measurement unit may not move at all. |
| <ul style="list-style-type: none"> • The measurement unit is moved but the value displayed on the LCD is not changing. | <ul style="list-style-type: none"> • ‘Auto-lock’ may be enabled. See ‘D. Stadiometer Setup’ under ‘I. Stadiometer Installation’ of this User’s Manual to adjust ‘Auto-lock’. |
| <ul style="list-style-type: none"> • An error message is shown on the LCD screen. | <ul style="list-style-type: none"> • The measurement unit is moved too fast. The BSM170/170B also enters standby mode if the measurement unit is idle for more than 2 seconds. |

V. Others

* The BSM170/170B is registered for electromagnetic compatibility in accordance with the Framework Act on Telecommunications and the Radio Waves Act.

* The BSM170/170B is designed, manufactured, and inspected according to the quality assurance system of InBody. InBody complies with the ISO9001 which are international quality management systems.

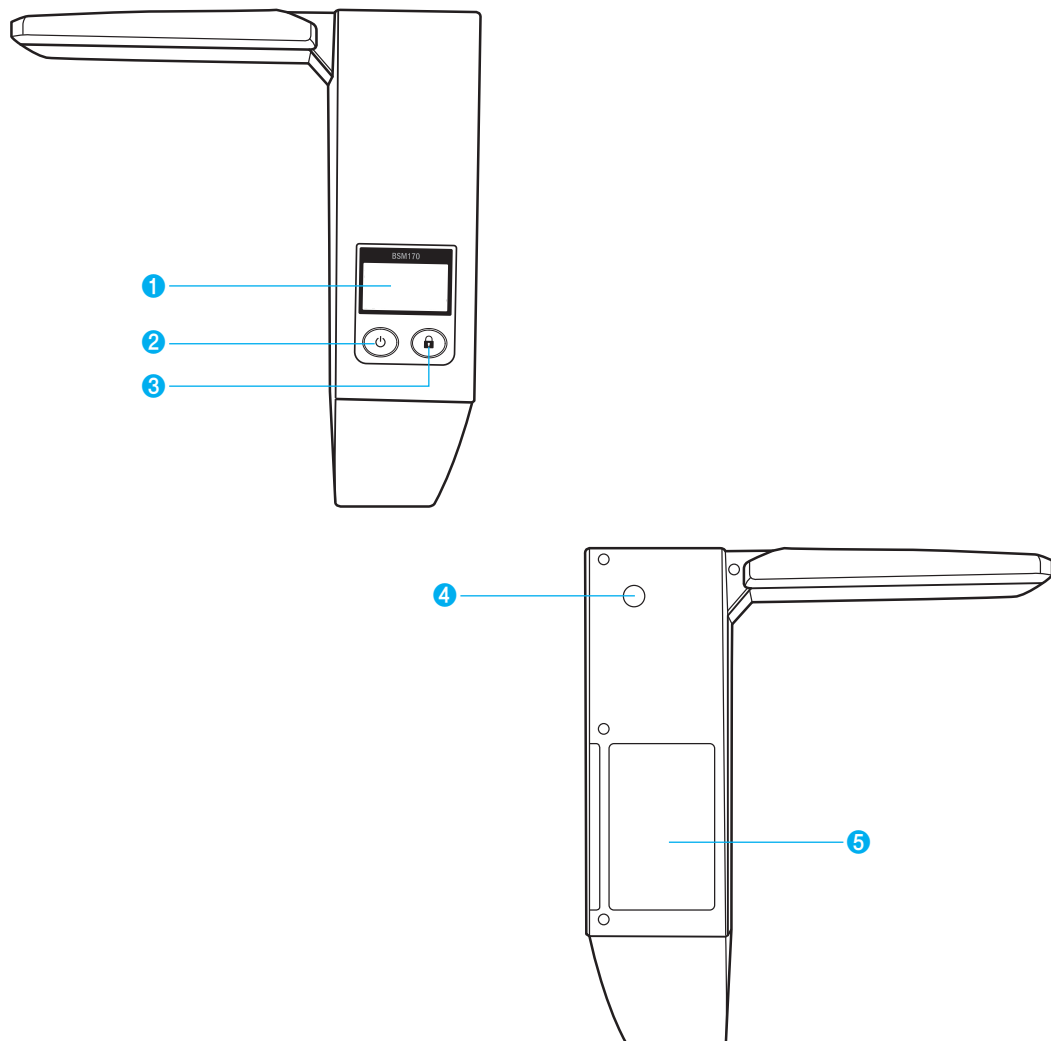
A. Exterior and Functions

The followings are names and functions of each part of the BSM170/170B.

* Please inspect each component of the BSM170/170B for damage prior to installation.

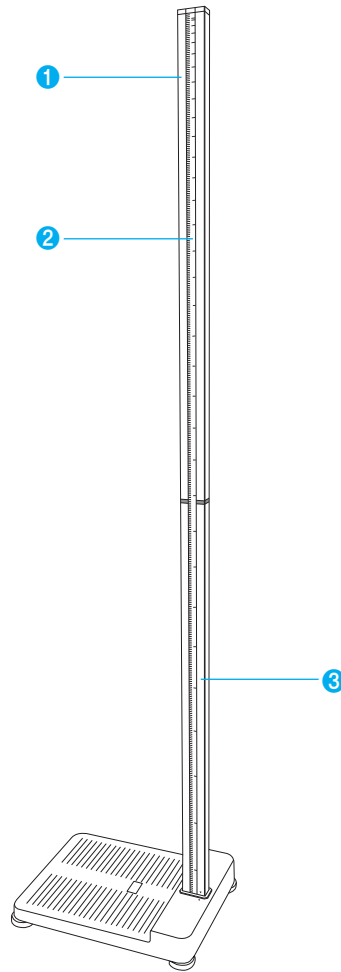
1. Measurement unit

- ① LCD screen: Shows height measurement values, and equipment connection status.
- ② On/Off button: Used for turning on/off the equipment.
- ③ Lock button: Used to lock the measured height on the measurement unit. Allows for the measurement unit to be moved without changing the value displayed on the LCD.
- ④ Pressure adjustment bolt: Used to adjust the ease of movement of the measurement unit.
- ⑤ Battery tray: Insert batteries (AA) here.



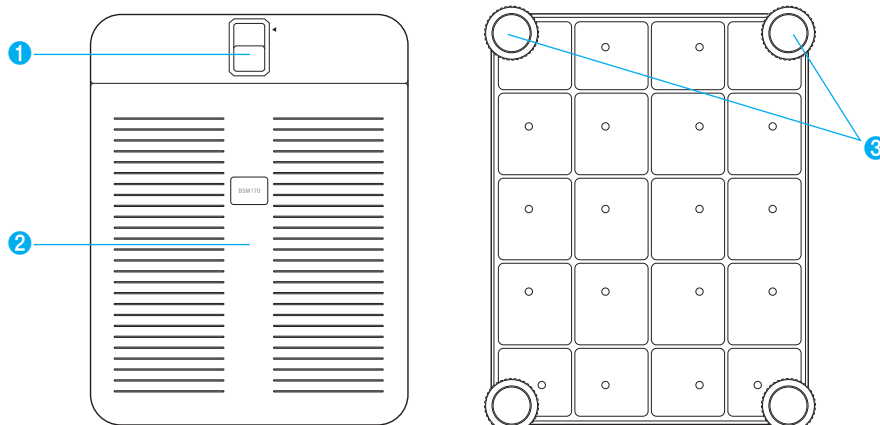
2. Upper section

- ❶ Stand (upper): Upper part of the equipment Stand.
- ❷ Measurement tape: Used to adjust the footplate to be level for accurate measurements.
- ❸ Stand (lower): Lower part of the equipment Stand.



3. Lower section

- ❶ Stand insertion hole: The Stand is inserted here for assembly with the footplate.
- ❷ Footplate: The examinee steps on the footplate when having height measured.
- ❸ Leveling screws: Used to adjust the footplate to be level for accurate measurements.



B. Symbols

Safety Symbol



Warning/Caution

Other Symbols



Manufacturer



Direct current



European Conformity



Serial number



Authorized representative in the
EUROPEAN COMMUNITY



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.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING

This equipment may generate or use radio frequency energy. Change or modification to this equipment may cause harmful interface unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

The antenna must be installed such that 20cm is maintained between the antenna and users.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

C. Specifications

| | |
|--------------------------------|--|
| Intended use | Hand-operated mechanical stadiometer |
| Measurement item | Height |
| Heights measured | 350 ~ 2100mm (1 ft. 1.78 in. ~ 6 ft. 10.67 in.) |
| Height measurement error range | ± 1mm (± 0.04 in.) |
| Result display | Customized LCD |
| Height measurement | Manual measurement |
| Measurement unit | Select between 'cm' and 'inch' |
| Power | DC 6V (4 AA-sized 1.5V batteries) |
| External interface | Bluetooth *Only for BSM170B |
| Dimension | 15.35 (W) × 19.70 (L) × 86.23(H): inch 390 (W) × 500.6 (L) × 2190.4 (H): mm |
| Equipment Weight | 8.5kg |
| Operation Environment | 10 ~ 40°C(50 ~ 104°F), 30 ~ 75% RH, 70 ~ 106kPa |
| Storage Environment | -10 ~ 70°C (4 ~ 158°F), 10 ~ 80% RH, 50 ~ 106kPa (No Condensation) |

* Specifications may change without prior notice.

