

Wheel Chair Scale PW-630U

INSTRUCTION MANUAL



Please read this Instruction Manual carefully and keep it handy for future reference.

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ANNEX Quick Manual

Safety Notes

Caution Symbols

Thank you for purchasing this precision crafted Tanita product. For optimum performance and safety, please familiarize yourself with the Caution Symbols below. These symbols are designed to alert the user to potential hazards when using this equipment. Ignoring these Caution Symbols may result in serious injury, or damage to the product.

Please be sure to review before proceeding with the INSTRUCTION MANUAL.

 **Warning** This symbol indicates the possibility of serious injury if the product is mishandled or instructions are ignored.

 **Caution** This symbol indicates the possibility of physical injury or equipment damage if instructions are ignored.

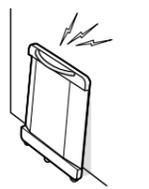
 This symbol indicates general precautions that should be taken when using this product.

Warning

- **Inserting and Removing the Power Cord**
To reduce the risk of electric shock or product damage, never insert or remove the power cord with wet hands.
- Do not under any circumstances dismantle or alter the device, as this could result in electric shock or injury as well as adversely affect the precision of measurements.
- To prevent fire hazard
Use only a correctly wired (100 - 240V AC) outlet, and do not use a multiple outlet extension cable.
- Measurements for physically disabled persons
Physically disabled persons should not attempt to take measurements alone, but instead should have their caretakers assist them in using the device.

Do not lean the product against the wall where people and objects pass by.

Someone may touch the product and it may fall down.



Caution

- Please make sure you place the Platform on a level and stable surface. If the equipment is used when the Platform is unstable because not all feet are on the surface, there may be a risk of stumbling or inaccurate measurement. Never jump on the Platform, there may be a risk of stumbling and malfunction of the equipment.
- When handling printer unit, avoid any sharp edges.
- For the PW-630U; Ensure you use the original AC Adapter (MODEL: SA25-0535U). Using an AC Adapter other than the original one may cause malfunction.
Do not insert or remove the plug by the cable.
- This equipment incorporates a fuse for electrical equipment (2A, 125V). If an AC Adapter other than the original one is used or there is a large surge in electric current, the fuse will blow for safety purposes. If the fuse has blown, the equipment must be inspected again. The fuse is located inside the equipment and users cannot disassemble the equipment easily. Therefore, please contact your nearest Tanita branch office or dealer to change the fuse.
- Do not jump on the scale.
Do not step on the rail.
- Do not place a finger into the gap or hole of this equipment.
You may get injured.

Maintenance

This is a precision manufactured and accurately calibrated product. Please observe the following instructions.

- When not in use for a long time, unplug the AC Adapter from the the outlet.
- Do not wipe the equipment with corrosive chemicals (benzine, cleaner, etc.). Please use a neutral detergent to clean the equipment.
- Avoid subjecting the equipment to excessive shocks or vibrations.
- When disposing of this unit, please do so in accordance with the prevailing regulations in each country.
- If an unauthorised person attempts to disassemble or repair any of the part, the warranty will become invalid. When the unit malfunctions, please consult your nearest Tanita sales office or agent.

Instructions for Measurement

Please observe the following instructions for accurate measurement.

- Measurement may not be possible on a surface that is strongly vibrating. In such cases transfer the equipment to a stable surface with little or no vibration.
- If the scale is moved to a new location with a temperature difference of greater than 36°F (20°C), wait at least 2 hours before use.
- While taking measurements, please keep any persons using transmitters, such as a cellular phone, away from the unit to avoid causing margin errors.

<Usage Conditions>

Temperature Range for Use : 32°F - 95°F (0°C - 35°C)
Relative Humidity : 30% - 80% (without condensation)

<Storage Conditions>

Temperature Range of Environment : 14°F - 140°F (-10°C - 60°C)
Range of Relative Humidity : 10% - 90% (without condensation)
To avoid malfunctions, avoid storing the equipment where there is direct sunlight, significant temperature changes, the risk of dampness, a large amount of dust, in the vicinity of fires, or where there is the risk of receiving vibrations or shocks.

<Power Source>

Model Name	PW-630U
Voltage Range	100 - 240VAC
Frequency Range	50 / 60 Hz
Electric Current Range	550 mA

Safety Notes (continued)

GB

Before use
(cautions for safety)

To Measure Correctly

Do not use the scale in a location with great temperature fluctuations.

If the scale is moved to a new location with a temperature difference greater than 36°F (20°C), wait at least 2 hours before use.

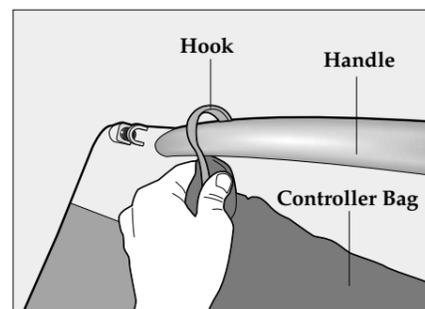
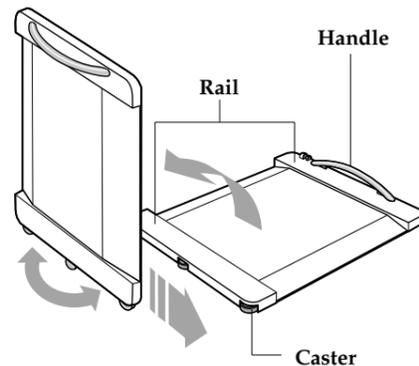


- Do not use cellular phones or microwave therapy equipment near this equipment. It may not measure correctly due to equipment malfunction.
- Do not step on the rail. Correct measurement may become impossible to measure precisely. It may not be measured weight correctly.

For Proper Use

Caution Platform is heavy. Please always use 2 people to install, raise or move this product.

- **Installation:**
 - (1) Hold handle, with casters on floor, gently lower platform down.
 - (2) All 4 adjustable feet should make contact with the ground for proper function.
 - (3) Make sure there is no obstacle between support feet and floor.
- **Raising Platform:**
 - (1) Disconnect AC adapter and Controller
 - (2) Place Controller and AC adapter in Controller Bag. Use hooks to connect Controller Bag to Platform handle.
 - (3) Standing outside of scale, use handle to carefully lift platform.
- **Moving Platform:**
 - (1) With platform upright, hold handle. Use casters to glide platform on floor.
 - (2) By balancing the platform on the middle caster, the platform can be turned.
 - (3) Be cautious of any slopes and obstacles on the floor.



GB

Before use
(cautions for safety)

Explanation of terminology

Read the following explanation of terminology before use.

- **Max (Maximum capacity)**

This shows the maximum weight that can be measured by the scale.

- **[Example]**

In the case of Maximum capacity 660 lb (300 kg), it can measure up to 660 lb (300 kg).

* One exceeding the weighing capacity cannot be measured.

- **d (Minimum Graduation)**

This shows the amount of one scale mark. In the case of a digital display, this shows the interval of the numeric value to change.

- **[Example]**

In the case of Minimum Graduation 0.2 lb (0.1 kg), the display increases and decreases at an interval of 0.2 lb (0.1 kg).

- **Tare**

The wheelchair weight used when measuring can be deducted from the total weight with the "tare" feature

- **BMI**

This is an abbreviation of Body Mass Index, and is calculated by $\frac{\text{weight (kg)}}{\text{height (m)}^2}$.

"22" is said to produce fewer illnesses.

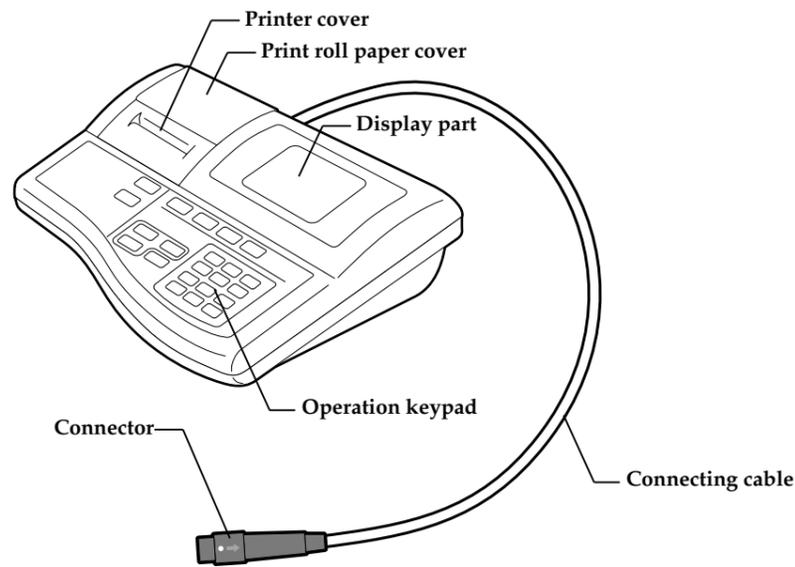
Print Example

TANITA	
SCALE	PW-630U
NOV/21/2005 12:34	
ID	0123456789
HEIGHT	6 ft 2.5 in
WEIGHT	184.2 lb
BMI	23.4
PRESET TARE	
MEMORY1	22.0 lb
CLOTHES WEIGHT	3.2 lb
BMI	
■■■■■■■■■■	
UW NR O	

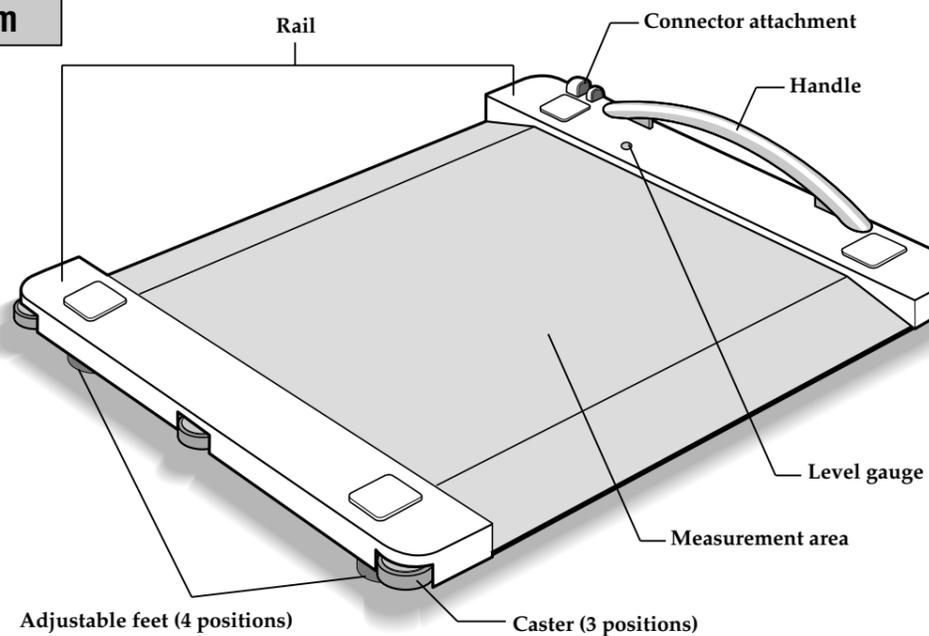
Part names

GB
Before use
(cautions for safety)

Controller



Platform



Accessories

Instruction manual (This manual)

AC Adapter

AC Cord

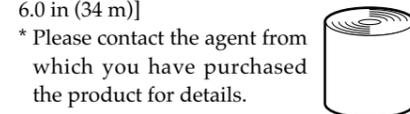
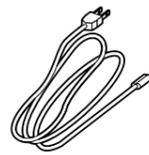
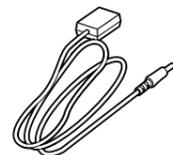
Print roll paper (1 roll)
(page 11)

Service parts
[thermal paper, roll diameter: 2.2 in (55 mm), roll length: about 111 ft 6.0 in (34 m)]

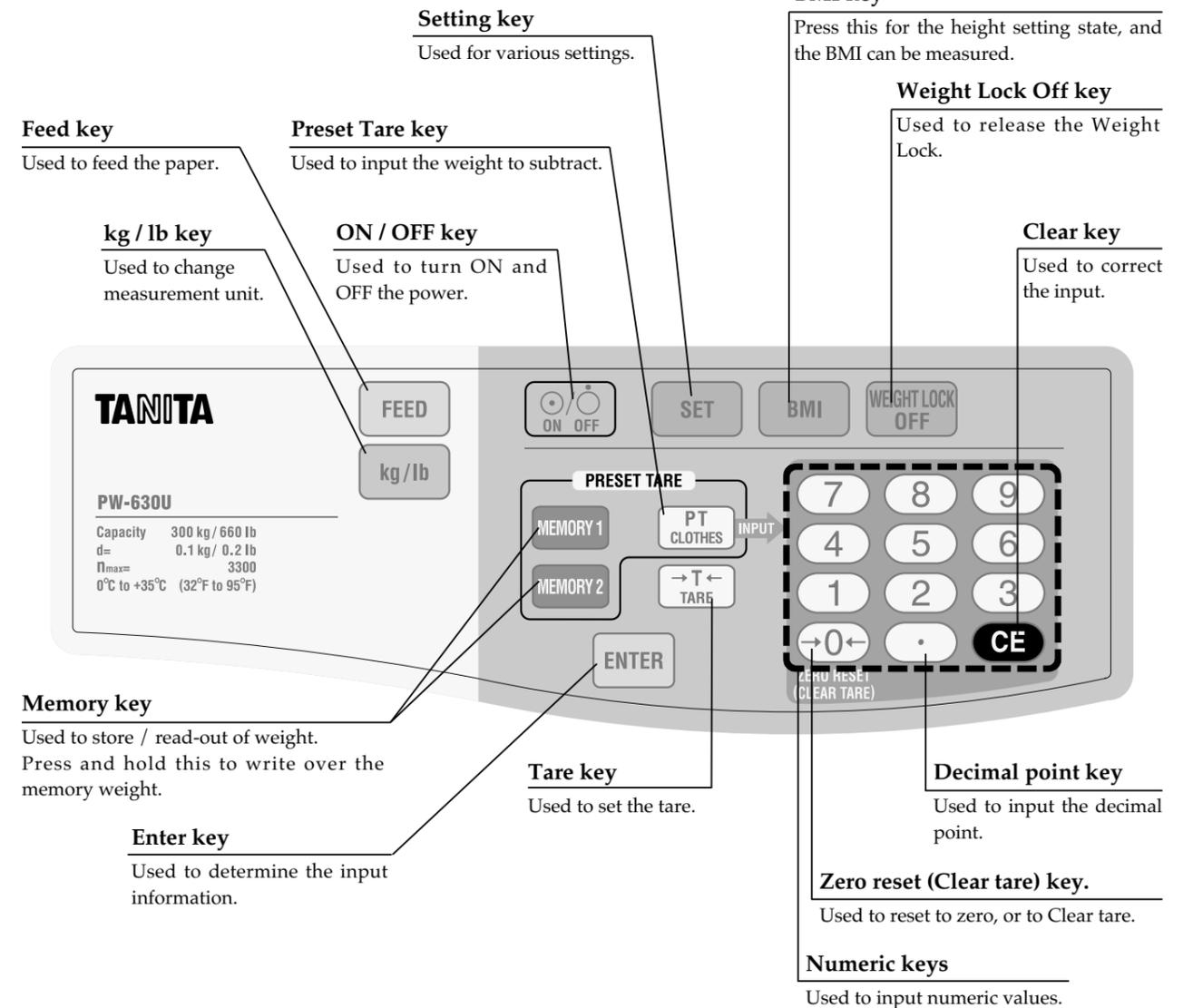
* Please contact the agent from which you have purchased the product for details.

Controller Bag

Safe-guard rubber
(4 pieces)



Control Panel



GB
Before use
(cautions for safety)

Symbols and their Meanings

	Display Unit On.		Zero reset
	Display Unit Off.		Turn on the tare weighing function.
	Direct current		Caution. Refer to the attached notes.
	Input, Output		Clothing weight setting

NET mark:

An arrow appears next to this icon when the tare weighing function is on.

STABILIZED mark:

Indicates that the displayed figure has stabilized.

STEP ON mark (Ready mark):

Indicates that the scale is ready to begin measurements.

HEIGHT mark (Unit of height):

Indicates the height is set

BMI mark:

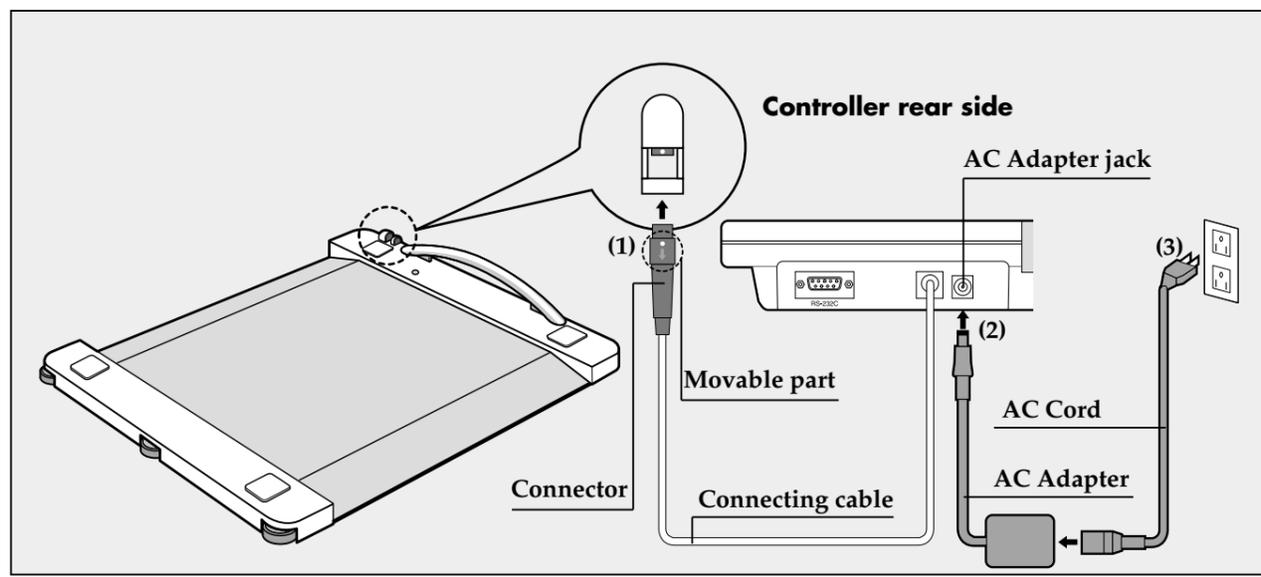
Indicates when BMI mode is on.

WEIGHT LOCK mark:

Indicates when the measurement is stabilized.

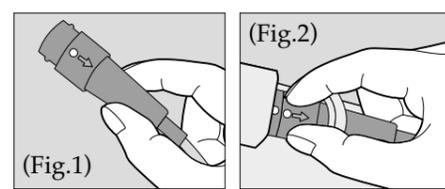
Preparation Connecting method and how to set the print roll paper

GB
Before use
(cautions for safety)



•Connecting the platform and the Controller

- (1) Connect the Platform and the Controller with the connecting cable.
 - * When connecting the Platform and the Controller, do not hold the movable part of the connector, but hold the slightly lower part to insert it. (Fig.1)
 - * When disconnecting the connector from the Platform, move the movable part of the connector in the arrow direction indicated on the connector. (Fig.2)
- (2) Insert the AC Adapter to AC Adapter jack of the Controller.
- (3) Insert the plug side of the AC cord to the outlet.



Warning

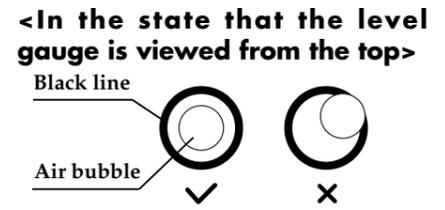
- To avoid electric shock, do not insert or remove the plug with wet hands.
- To avoid electric shock, do not use the equipment near water.

Caution

- To avoid measurement error, do not measure while using equipment that generates radio waves, such as cellular phone.
- Use only the original AC Adapter (MODEL: SA25-0535U). Using AC Adapters other than the original one may cause malfunction, smoke or fire.

Check of the level

- For accurate measurement, place the scale as level as possible.
- Rotate the adjustable feet in 4 positions for adjustment so that the air bubble of the level gauge reaches the centre.



Caution

Make sure you place the Platform on a stable level surface and adjust the level with the adjustable feet. If the Platform is not stable because not all the feet are on the surface, for example, there is a risk of stumbling or inaccurate measurement.

Request

- If the floor is slippery, please attach the safeguard rubber to each support foot.

GB
Before use
(cautions for safety)

Loading the Print roll paper

1

Turn the equipment on by pressing the key. "P.End" will flash in the top of the screen. This means that there is no Print roll paper. * When you do not have any Print roll paper to replace the old roll, press the key. "P.End" will disappear and you can continue measurement.

2

Remove the Print roll paper cover. When you lift up the Print roll paper cover from the back of the Controller, it can be easily removed.

3

Insert the Print roll paper into the slit. The Print roll paper is automatically rolled up and the edge of the paper is cut automatically. Please remove the cut paper. **Warning:** Please make sure you insert the Print roll paper straight into the slit.

4

Insert the catches of the Print roll paper cover into the guide holes. * If a paper jam occurs, please refer to page 26.

Caution Please change the paper roll when red lines appear along the sides of the paper.

Caution

- For Smooth Paper Feeding
- Be sure the end of the paper has a smooth, straight edge. Cut if necessary.
- To avoid paper jam
- When the red line comes out on the print roll paper, exchange the roll paper (page 26).
- Purchase the exclusive print roll paper at the agent from which you have purchased the product.

About initial setting

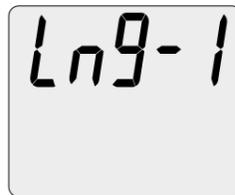
Each item of this equipment is set as shown below at the time of shipment. Check them and if they need to be changed, refer to page 13 "Change of setting".



Example

1. Setting of the date and time [dAtE]

The date and time are set at the time of shipment, however, when the product is not used for a long period of time (2 weeks or more), the settings may be cleared. In that case, they must be set again.



2. Setting of the Language [Ln9]

This is set to "English" at the time of shipment.



3. Setting of the preset tare automatic reading [Aut-t]

This is set to "off" at the time of shipment.



4. Setting of ON and OFF of the ID number [SE, d]

This is set to "off" at the time of shipment.



5. Setting of the ID number checking time [id-t]

This is set to 0 seconds at the time of shipment.



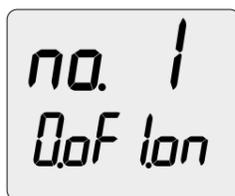
6. Setting of the BMI mode [bnno]

This is set to "does not use" at the time of shipment.



7. Setting of the number of sheets to print [Print]

This can be set to 0 to 9, however, this is set to "1 sheet" at the time of shipment.



8. Setting of the print items [no. 1]

This is set to "on" at the time of shipment.



9. Setting of ON and OFF of the automatic cutting function [A-cut]

This is set to "on" at the time of shipment.



10. Setting of the Weight lock time [ho ld]

This is set to "10 seconds" at the time of shipment.



11. Setting of the weight Lock release function [hd-cl]

This is set to "on" at the time of shipment.

Change of setting

1 Turn on the power of the Controller. Press . After all display flashes, the measurement screen is displayed.

2 Press . <setting screen>

Determine the setting mode.

Input or with the numeric key, as necessary.

: Setting of the date and time (page 14)

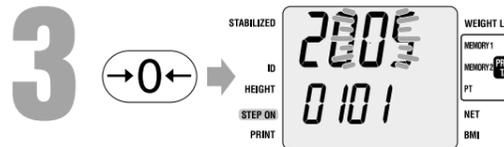
: Setting of each item (page 15 - 18)

* can be used only in the state of the above step 1.

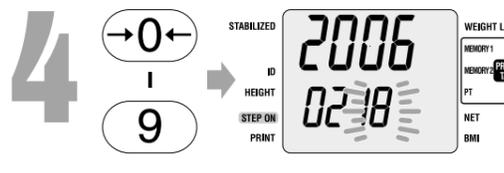
* In the case to return to the clothing weight input screen, press .

- Pressing **CE** does not change the setting but returns to the previous screen. (In the case that the power is cut off during setting, the setting is not changed.)

1: Setting of the date and time

3 

The input screen of the date and time setting is displayed. The top line is for the year, and the bottom line for the month.
* If there is nothing to change, press **SET** again.

4 

Input the current time
Input the numeric value from the top line in order according to flashing. When the date is inputted, the time input screen is automatically displayed.

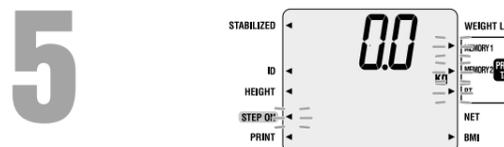
Example
In the case to input 14:05, February 18, 2006, Press the numeric keys in the order of

0 6 0 2 1 8 1 4 0 5

* If the input is mistaken, press **CE**.

It returns to the previous input position sequentially.

* The date can be inputted in the range of January 1, 2005 to December 31, 2099.

5 

Returns to the measurement screen
When all the input is completed, it automatically returns to the measurement screen.

Note

* The display of  on the screen varies depending on the setting state.

- Press **SET** to print the contents of the settings.
- Press **CE** to return to the measurement screen without changing the settings.
- Press **ENTER** to end the settings and return to the measurement screen.

* On the **←0→** or **1** selection screen, the currently set side flashes.

2: Setting of the Language

Note

The language to print is set.

3 

Language Selection.
If "0" is selected at step 2, you cannot preset the language.
Input **1** - **5** with the numeric keys.

1: English

2: French

3: German

4: Italian

5: Spanish

After input, it moves to the next setting screen (Setting of automatic reading of the preset tare).

3: Setting of automatic reading of the preset tare

Note

The preset tare function allows 2 separate preset weights to be stored in memory.

If two wheel chairs have different weights, you can store the weight in memory 1 and the weight of the other in memory 2.

By presetting the wheelchair weight, persons in wheel chairs can be correctly weighed while still in the chair. The scale will automatically deduct the chair weight.

4 

Set the automatic reading of the preset tare.
Input either **←0→** or **1** with the numeric key.

←0→: Automatic reading is not used.

1: Automatic reading is used.

After input, it moves to the next setting screen (ID number use).



- Press **SET** to print the contents of the settings.
- Press **CE** to return to the measurement screen without changing the settings.
- Press **ENTER** to end the settings and return to the measurement screen.

* On the **←0→** or **1** selection screen, the currently set side flashes.

4: Set ON / OFF of the ID number

Note

- ID is a identification number.
- In the case that the users are controlled with identification numbers in a facility, etc., print out the ID and the weight at the same time and the user can be judged later. The ID numbers of 0 – 999999999 can be inputted. The ID increases +1 after measurement, however, it can be changed with the numeric keys.

5 **Set ON / OFF of the ID number.**
 Input either **←0→** or **1** with the numeric key.
←0→: ID number is not used.
1: ID number is used.

After input, it moves to the next setting screen (ID number checking time).

5: Setting of the ID number checking time

Note

- The ID number checking time is the displaying time of the ID before measurement.
- The ID can be changed during this period. The time can be set in the range of 1 – 60 seconds with this equipment. And after the setting time has passed, it automatically moves to the next step. And if the time is set to 0 seconds, it does not move to the next step unless the ENTER key is pressed.

6 **Set the checking time of the ID number.**
 Input **←0→ ←0→ - 6 ←0→** with the numeric keys.
 (When measuring, after the inputted seconds have passed, it moves to the next step.)

After input, it moves to the next setting screen (BMI).

6: Setting of the BMI

7 **Set whether to display the BMI.**
 Input either **←0→** or **1** with the numeric key.
←0→: Does not used the BMI.
1: Used the BMI.

After input, it moves to the next setting screen (Setting of the number of sheets to print).

7: Setting of the number of sheets to print

8 **Set the number of sheets to print.**
 Input the number of sheets to print with the numeric key.
 * In the case not to print, input **←0→** (in this case, it skips the steps 9 and 10 and moves to the screen of step 11 "Setting of the weight lock time").
 * Up to 9 sheets at maximum can be printed out. Input **←0→ - 9**.

After input, it moves to the next setting screen (print items or weight lock time).

8: Setting of the print items

9 **Set the print items.**
 For each number, input either **←0→** or **1** with the numeric key.

- no. 1: TANITA**
- no. 2: Model name**
- no. 3: Date and time**
- no. 4: ID number**
- no. 5: Height**
- no. 6: Weight and tare**
- no. 7: BMI**
- no. 8: BMI graph**

←0→: Does not print the item.
1: Prints out the item.

- * In the case that the number of sheets to print is set to 0 sheets in step 8, this screen is not displayed.
- * In the case that all the items are set to **←0→**, the printer does not start-up.

After input, it moves to the next setting screen (automatic cutting).

9: Setting of automatic cutting

Note

- * The automatic cutting function is to cut the printed roll paper after every measurement. When it is OFF, it is convenient to store without cutting the paper for every user.

10 **Set the automatic cutting.**
 Input either **←0→** or **1** with the numeric key.
←0→: Does not automatically cut after printing.
1: Automatically cuts after printing.

- * In the case not to cut automatically, the number of sheets to print is automatically set to 1 sheet.

After input, it moves to the next setting screen (weight lock release function).

- Press **SET** to print the contents of the settings.
- Press **CE** to return to the measurement screen without changing the settings.
- Press **ENTER** to end the settings and return to the measurement screen.

* On the **←0→** or **1** selection screen, the currently set side flashes.

10: Setting of the weight lock time

Note

- This is a function to fix the displayed contents on the screen for a certain period of time. This is valid only when it is set not to print. (In a case other than that, this setting screen is not displayed.)

11  **Set the weight lock time.**
 Input **←0→ ←0→ - 6 ←0→** with the numeric keys.
 * The input range is 0 - 60 seconds.

Note

- Display is nothing shown when the number of printing set as '0'.
- Even if weight lock is effective, press **CE** and it moves to the next measurement screen.

After input, it moves to the next setting screen (weight lock release function)

11: Setting of the weight lock release function

Note

- This is a function to detect the load again automatically when the measured value that is once weight lock after measurement fluctuates +2 kg or more. This is convenient for elderly or people who take longer to get on the Platform.

12  **Set the function to automatically release the display fix.**
 Input either **←0→** or **1** with the numeric key.
←0→: Does not release the weight lock automatically.
1: Releases the weight lock automatically.

After input, it automatically returns to the measurement screen.

- Refer to page 12 "About initial setting" for the initial settings.
- * In the case that no effect of radio waves is given, a stable mark (◀) lights up.
- This explains the procedure when the printer function is turned on. Please be aware that the display may be different if the number of printouts is set to **←0→**.
- Do not wipe the equipment with corrosive chemicals (benzine, cleaner, etc.). Please use a neutral detergent to clean the equipment.
- When the equipment has been transferred to any location where there is a temperature difference of 36°F (20°C) or more, wait for at least two hours before using it.
- In taking measurements, please keep the person away from the unit, who uses transmitters such as a cellular phone avoid causing margin errors.

Note

- When the load is not burdened on the platform, kg/lb change is possible.

1 Turn ON the power

ID number function is activate

 Press **ON/OFF**.
 After all display flashes, and the ▶ to show the input instruction of the ID flashes.
 It moves to the step 2.

ID number function is not activate and BMI mode is ON

 Press **ON/OFF**.
 After all display flashes, and the ▶ to show the input instruction of the height flashes.
 It moves to the step 3.

ID number and BMI mode are not activate

 Press **ON/OFF**.
 After all display flashes, and the ▶ to show the input instruction of the ID flashes.
 It moves to the step 4. (In the case that the clothing weight is not input, it moves to the step 6.)

2 Input the ID number

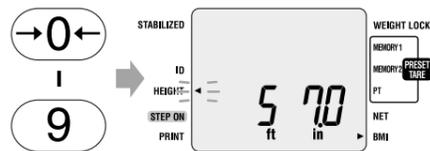
 **ENTER** → Input by pressing **←0→ - 9**.
 After input, press **ENTER** and it moves to the "3. Input the height" screen.

Note

- In the case that off is set in "Set ON / OFF of the ID number" (page 16), this screen is not displayed.
- The ID number increases (+1) for every measurement. And once the power is OFF, it starts from 000000001.
- The ID number can be inputted in the range of 0 - 999999999. When **ENTER** is pressed during input, the non-inputted digits are filled with 0s.
- When the input is mistaken, press **CE**. The input is deleted.

How to measure (continued)

3 Input the height



Input by pressing $\leftarrow 0 \leftarrow - (9)$.
After input, it moves to the "4. Input the tare" screen.

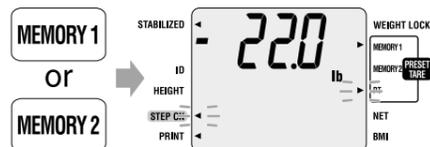
Note

- In the case that OFF is set in the "Setting of the BMI" (page 16), this screen is not displayed.
- When the measurement unit is select the "lb", the height unit is "ft-in".
* In the case that the unit is change after input 3 ft (90 cm), the height is reset. (Because it is less than 3ft, therefore it is not trouble.)
- The height can be inputted in units of 0.5 in (1 cm) in the range of 3 ft - 8 ft 2.0 in (90 - 249 cm).
- When an input is mistaken, press $\leftarrow CE \leftarrow$. The input is deleted.
- Pressing $\leftarrow CE \leftarrow$ without entering your height, BMI will not be calculated and it goes to "4 Input the tare" automatically.

4 Input the tare

- * In the case that the memory1, memory2, clothing weight are not input, and the \blacktriangleright flashes.
- * In the case that the tare is not input, it moves to the "5 Input the clothing weight".

In the case to use the preset tare

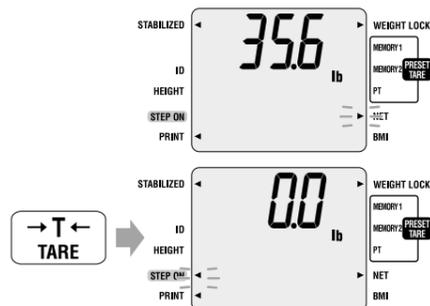


Press $\leftarrow MEMORY 1 \leftarrow$ or $\leftarrow MEMORY 2 \leftarrow$. The registered tare is displayed, and the \blacktriangleright to show the memory number of the used preset tare lights up, and the \blacktriangleright to show the input instruction of the clothing weight flashes. (Refer to page 22 Convenient function "Memory rewriting mode" for the setting method for the preset tare.)

Note

- To cancel the input, press $\leftarrow 0 \leftarrow$.
- Memory1 and Memory 2 can't use at the same time.
- Memory1 and Memory2 are read by the select unit.

In the case to use the tare



(1) Place an object (wheelchair, etc.) to register on the Platform.

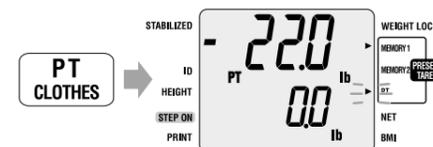
(2) When WEIGHT LOCK mark lights up, press $\leftarrow T \leftarrow$.
The measured value is stored as the tare, and the display changes to 0.0 lb (0.0 kg).
The \blacktriangleright to show that the tare is under subtraction lights up.

Note

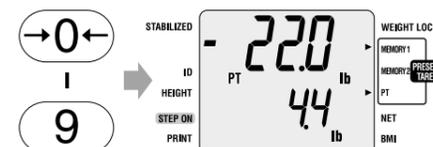
- During the use of $\leftarrow T \leftarrow$, $\leftarrow MEMORY 1 \leftarrow$, $\leftarrow MEMORY 2 \leftarrow$, $\leftarrow PT \leftarrow$ cannot be used.
- During the use of $\leftarrow T \leftarrow$, the numeric value cannot be inputted.
- In the case to cancel the set tare, press $\leftarrow 0 \leftarrow$.
- * The tare is 330 lb (150 kg) at the maximum.
- * Measurement up to 660 lb (300 kg) as the total including tares is possible.

5 Input the clothing weight

* In the case that the clothing weight is not input, it moves to the "6 Make a measurement".



(1) Press $\leftarrow PT \leftarrow$.
0.0 lb (0.0 kg) is displayed at the bottom line.



(2) Press $\leftarrow 0 \leftarrow - (9)$ to input the clothing weight.

Note

- The input range is 0.2 lb (0.1 kg) - 330 lb (150 kg). (However, as the total weight including the memory 1 or 2).
- (3) While memory 1 or Memory 2 were set, total weight will be displayed at the top line and PT should be lights up, then STEP ON is flashing.

6 Make a measurement

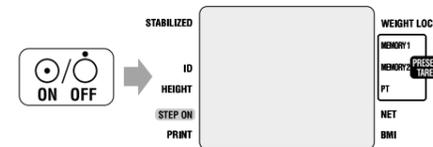


Get on the centre of the Platform, and the measured value is displayed.
After displaying the measurement result, it is printed out according to setting.
After that, it automatically returns to the ID input screen.

Note

- * In the case that the preset tare is not used, the \blacktriangleright to show that the tare is flashes.
- In the case that the BMI display is set to OFF in the "Setting of the BMI" (page 16), the BMI is not displayed.
- However, in the case that 0 sheets is set in the "Setting of the number of sheets to print" (page 17) and all items set to OFF in "Setting of the print items" (page 17), it is not printed out.
- When the measurement unit is select the "lb", the measurement result is displayed to less than 3.8lb, however the weight lock and printout does not function.

7 Turn OFF the power



Press the $\leftarrow ON/OFF \leftarrow$ key.
The display goes off.

Note

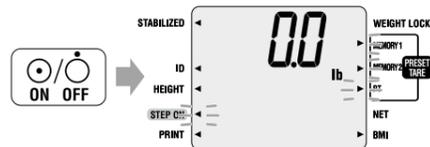
- The measurement unit is select in power off becomes effective at the time of next start.

Convenient functions

Memory rewriting mode

The weight stored in the memory 1 and the memory 2 can be changed.

1 Turn on the power

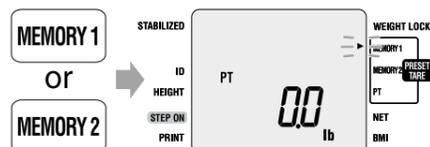


In the case that the power is on, move to the "2. Change the memory contents". Press .

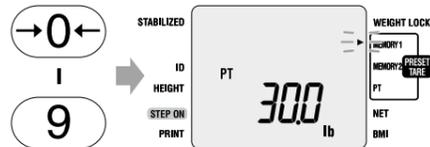
Note

- According to the contents of the initial setting, the screen displayed after all display flashing varies.

2 Change the memory contents



(1) Press and hold or for 3 seconds or more.



In the case to use numeric keys

(2) Press - to input the weight to register. The measured value is displayed at the bottom line.

In the case to measure the weight

(2) Place an object (wheelchair, etc.) to register as a tare on the Platform. The measured value is displayed at the bottom line.

Note

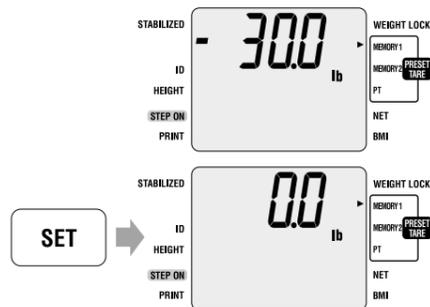
- The input range is 0.2 lb (0.1 kg) – 330 lb (150.0 kg) in units of 0.2 lb (0.1 kg).
- When the input is mistaken,
 - ⇒ Press (the inputted numeric value is cleared).
 - ⇒ Moreover, Press (the numeric value is not changed and returns to the measurement screen).
- In the state that the measured weight is displayed, the numeric value can be inputted again by pressing the numeric keys.

Using Numeric Keys

The renewed registered weight is displayed on the top line, and it automatically returns to the measurement screen.

Take measuring the weight

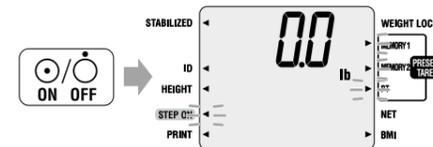
The measured weight is memorized and 0.0 lb (0.0 kg) is displayed at the top line. Afterwards it automatically returns to the measurement screen.



Only once BMI mode

The BMI can be measured even in the case that the BMI mode is not set. BMI score will be effective only once.

1 Turn on the power



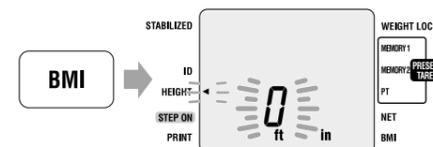
In the case that the power is on, move to the "2. Change to the BMI mode".

Press .

Note

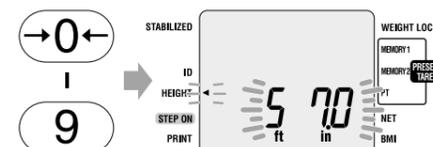
- According to the contents of the initial setting, the screen displayed after the all display flashing varies.

2 Change to the BMI mode



Press . "0 ft in" ("000 cm") and the ◀ mark to show the input instruction of the height flash.

3 Input the height



Press - to input.

The procedures after this are the same as the measuring method when BMI mode setting.

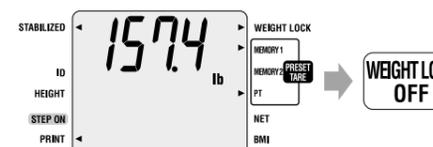
Note

- In the case the BMI is measured continuously, please set at "6: Setting of the BMI" (page 16).
- The height input range is 3 ft - 8 ft 2.0 in (90 - 249 cm) in units of 0.5 in (1 cm).
- When the input is mistaken,
 - ⇒ Press (the input is deleted).
- Pressing without entering your height, BMI will not be calculated and it goes to "4 Input the tare" automatically (page 20).

Weight lock off

This is a function to release the fix of the measured value that is once fixed for display after measurement.

1 Release the weight lock



Press during the weight lock. The display fix is released.

Zero reset

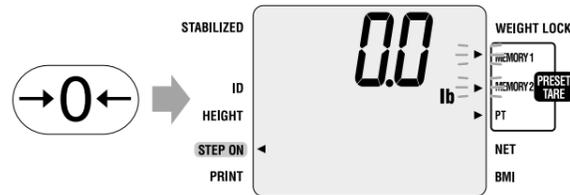
In the case that the display is not 0.0 lb (0.0 kg) in the state that nothing is on the Platform and a tare is not set, the display is returned to the correct state.

1 Check the display



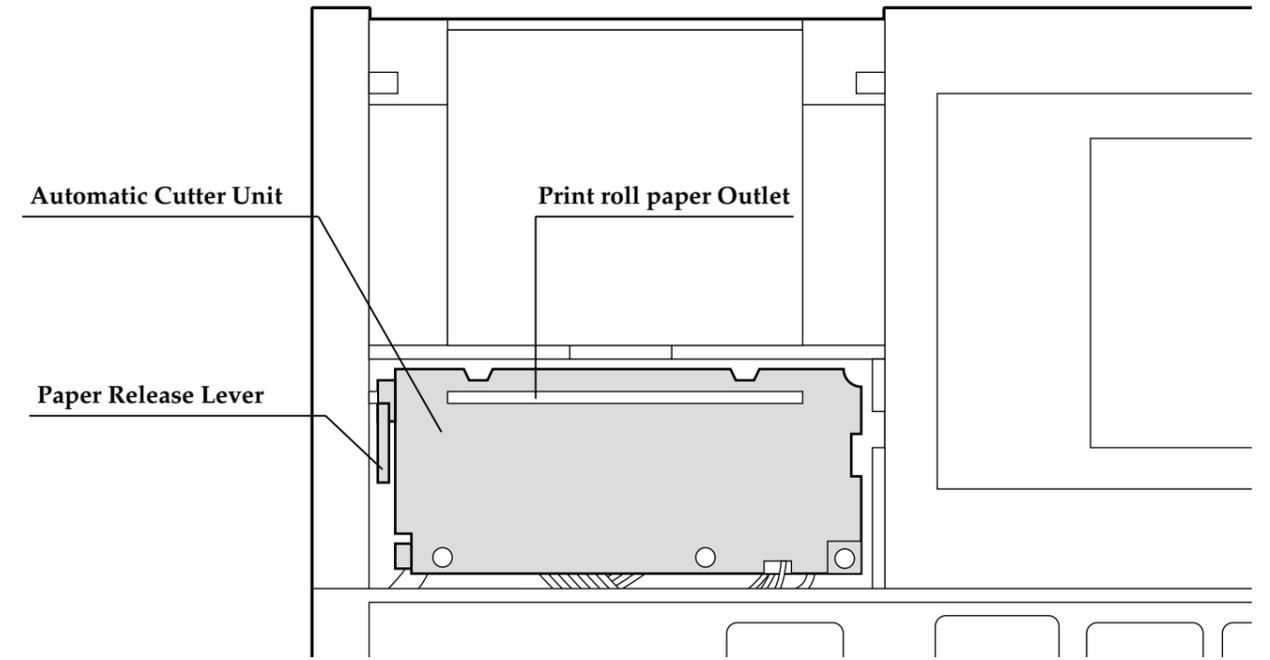
Check that the display is not 0.0 lb (0.0 kg) in the state that nothing is on the Platform and a tare is not set.

2 Zero reset

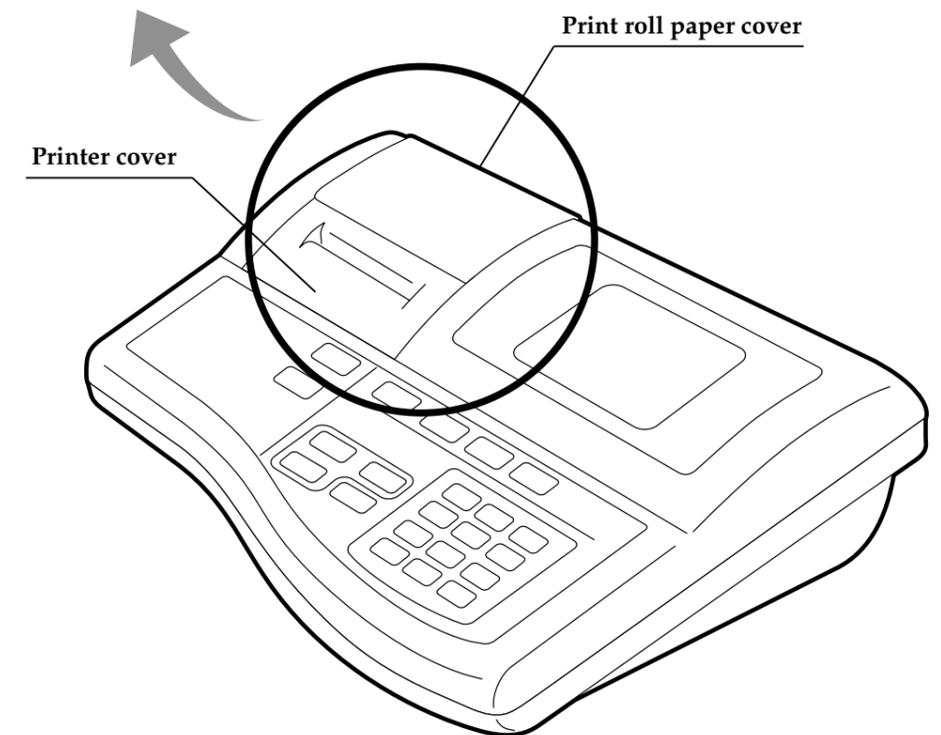


Press **0**.
The display is returned to 0.0 lb (0.0 kg).

Components of the Printer Unit



* This is a picture of the Controller without the Print roll paper cover and the Printer Cover, looking down from above.

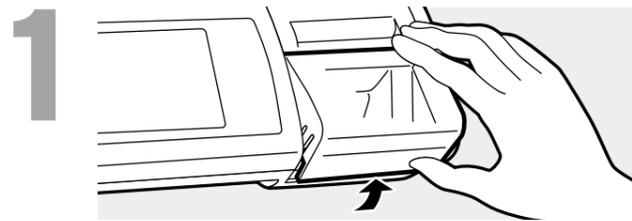


RS-232C Interface Instructions

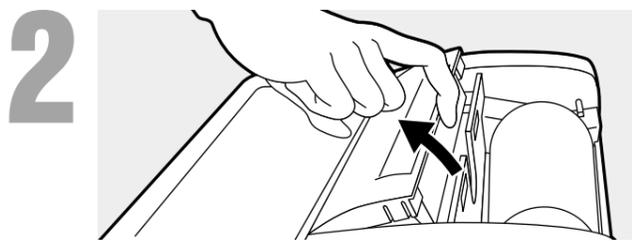
Caution

Please pay careful attention to avoid injury from the sharp edge. Please turn off the machine before clearing Paper jams.

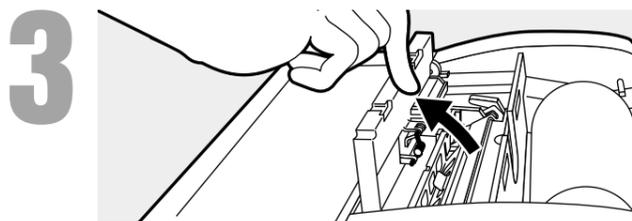
Clearing Paper Jams



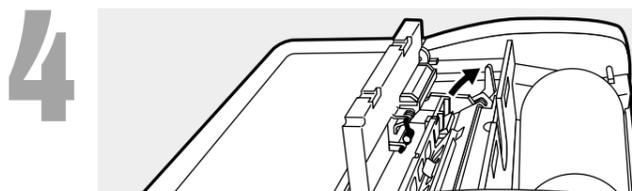
1 Remove the Print roll paper cover.
If you lift up the Print roll paper cover from the back of the Controller, it can be easily removed.



2 Remove the Printer Cover.
As shown in the illustration, from the front side of the Controller, use a finger to lift up the Printer Cover.
! The Printer Cover is firmly fixed by catches. Please make sure not to drop the Controller when you remove the Printer Cover.



3 Lift up the Automatic Cutter Unit.
From the front side of the Controller, lift up the Automatic Cutter Unit with a finger.

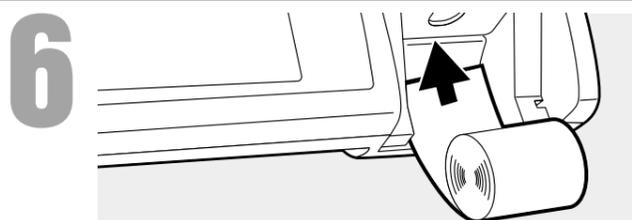


4 Raise the Paper Release Lever and remove the jammed paper.
Remove the Print roll paper and the jammed paper.



5 Return the Paper Release Lever, the Automatic Cutter Unit and the Printer Cover to the normal position.
Insert the catches of the Printer Cover into the guide holes of the Controller and push it down slowly while pressing the catches on both the left and right hand sides until a click is heard.

! Failure to press down the Paper Release Lever will result in continuous feeding of the Print roll paper without it being cut automatically.



6 Return the Print roll paper.
Return the Print roll paper by following the procedure in page 11 "Loading the Print roll paper".
Return the Print roll paper cover to the proper position.
Press the Print roll paper cover down slowly as the catches of the cover go into the guide holes. page 11.

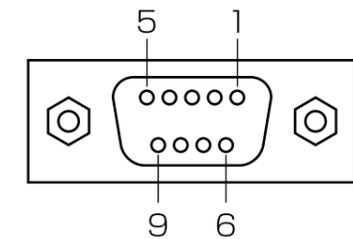
This section describes the interface for outputting the PW-630U Wheelchair Scale measurement results as RS-232C signals to personal computers and other external devices.

Specifications

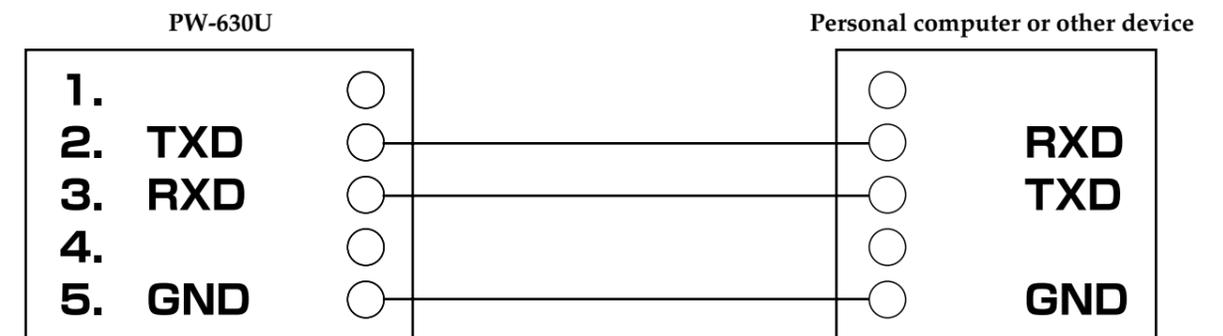
Communication Standard	EIA RS-232C Compatible
Communication Method	Asynchronous Transmission
Signal speed	9600 baud
Data bit length	8 bits
Parity	None
Stop bit	1 bit
Terminator	CR+LF

Signal lines and connection methods

Terminal number	Signal name
2	TXD (data transmission)
3	RXD (data reception)
5	GND (ground)

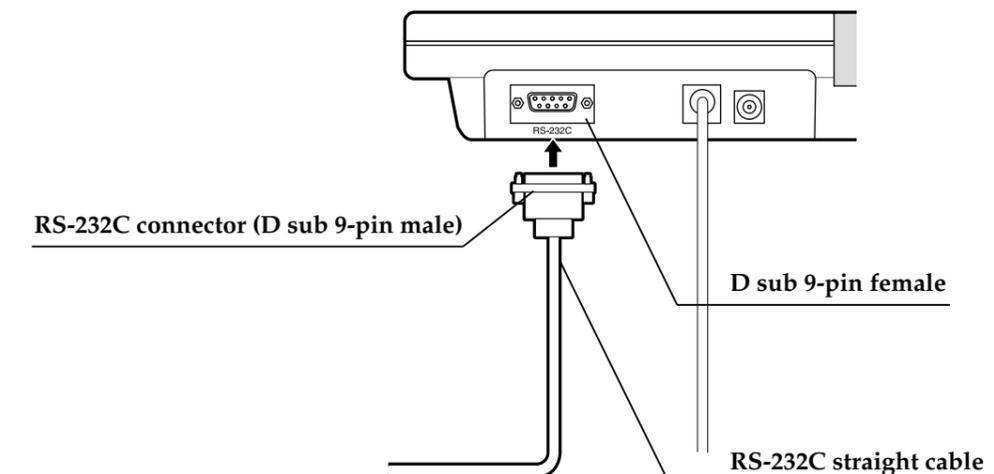


Connection example



Note

- An RS-232C connector (D sub 9-pin female) is located in the lower centre on the back of the Controller.
- Use an RS-232C straight cable when connecting to a personal computer or other device.



When necessary
(cautions for safety)

When necessary
(cautions for safety)

Transmission data



Caution Transmission data will be output after measurements regardless of the status of the personal computer or other device at the receiving end. For that reason, the personal computer or other device to which data will be transmitted must be put in a reception-ready status before measurement.

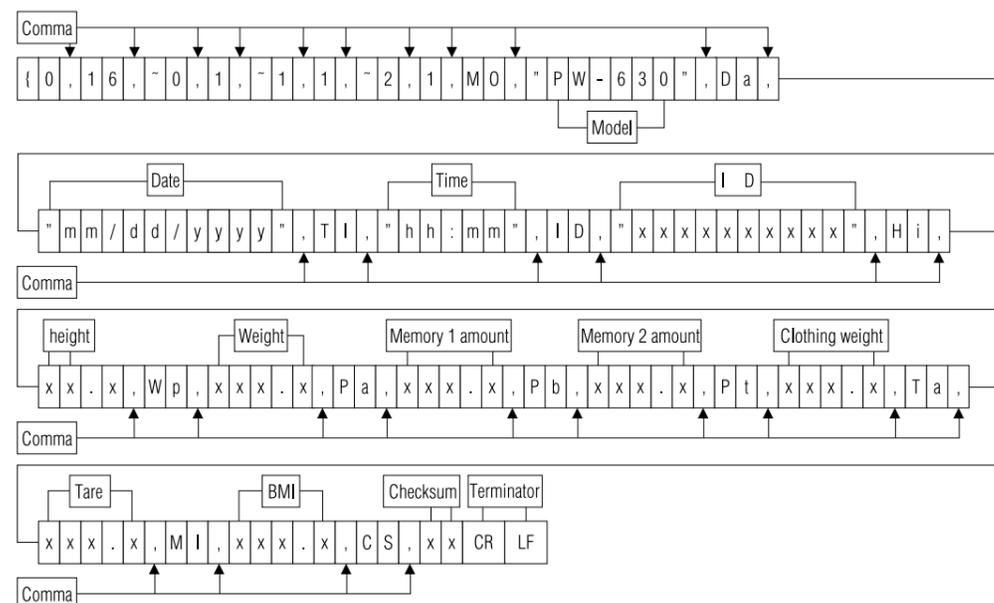
Output data items

Name of item	Header		Output data (ASCII code)		Pattern	
	kg mode	lb mode			BMI mode	Weight mode
Control data	{0		Fix to 16	2 Bytes fixed	✓	✓
Control data	0		Fix to 1	1 Byte fixed	✓	✓
Control data	1		Fix to 1	1 Byte fixed	✓	—
Control data	2		Fix to 1	1 Byte fixed	✓	—
Model	MO		"PW-630"	8 Byte fixed	✓	✓
Date	Da		"mm/dd/yyyy"	12 Byte fixed	✓	✓
Time	TI		"hh:mm"	7 Byte fixed	✓	✓
ID number	ID		"xxxxxxxx"	12 Byte fixed	✓	✓
Height	Hm	Hi	xx.x	2 – 4 bytes	✓	—
Weight	Wk	Wp	xxx.x	3 – 5 bytes	✓	✓
Memory 1 amount		Pa	xxx.x	3 – 5 bytes	✓	✓
Memory 2 amount		Pb	xxx.x	3 – 5 bytes	✓	✓
Clothing weight		Pt	xxx.x	3 – 5 bytes	✓	✓
Tare		Ta	xxx.x	3 – 5 bytes	✓	✓
BMI		MI	xxx.x	3 – 5 bytes	✓	—
Checksum		CS	xx	2 Bytes fixed	✓	✓

Note

- The data are divided with commas (,) for each data.
- The terminator (end of the data) is CR (ASCII code 0DH), LF (ASCII code 0AH).
- The control data for the items 1 – 4 are for expansion. They are not used presently so the receiving side can ignore them.
- In the case that the ID number is not valid, "0000000000" is outputted.
- In the case that the tare (memory 1, memory 2, clothing weight, tare) are not valid, 0.0 is outputted for each.
- When the measurement unit is select the "lb", all the height data is converted into "in" and it is output.

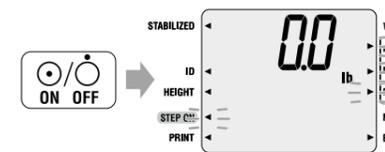
[Output example (in the case to lb unit)]



This is a mode to communicate from a personal computer, etc.

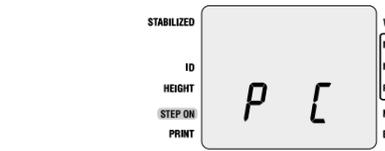
PC mode

1



Connect the personal computer and the Controller and turn on the power.
Press of the Controller.

2



Change over to the PC mode.
Send the mode changing command (M) from the personal computer side. The display is "P [".

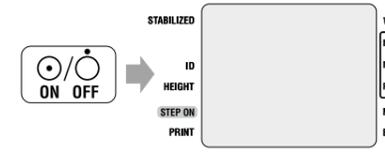
3

Transmit the command and measure.
Transmit the ASCII code from the personal computer and measurement starts.

Check of the currently set value	[D][?][CR][LF]
Set the tare to xxx.x.	[D][0][x][x][x][.][x][CR][LF]
Set the height to xxx.x.	[D][3][x][x][x][.][x][CR][LF]
Set the ID number to xxxxxxxx.	[D][5][x][x][x][x][x][x][x][x][CR][LF]
Printer state check	[P][?][CR][LF]
Set to the printer valid	[P][1][CR][LF]
Set to the printer invalid	[P][0][CR][LF]
Confirm current setting	[U][?][CR][LF]
Use cm/kg mode	[U][0][CR][LF]
Use in/lb mode	[U][1][CR][LF]
Measurement start (only weight)	[E][CR][LF]
Measurement start (BMI mode)	[G][CR][LF]
PC mode releasing	[M][CR][LF]
Measurement canceling	[q][CR][LF]
Reset	[Q][CR][LF]
State check	[S][?][CR][LF]

Scale error	[E][0][CR][LF]	There is abnormality on the Platform. (Communication error, etc.)
	[E][1][CR][LF]	Overload.
Measured value error	[E][4][CR][LF]	The measurement command (G) is sent without setting the height.

4



End the PC mode.
Press of the Controller.

When necessary (cautions for safety)

When necessary (cautions for safety)

Example of Use

The wheelchair scale is used remotely as follows.

1 Switch on Wheelchair scale

First, switch on the wheelchair scale.
Send the mode changing command (M) from the personal computer.

2 Set tare weight

The tare weight need not be set if not required. It will then be treated as 0.

Ex: 66.2 lb (30 kg) tare weight

PC ⇒ `D0066.2CR LF` ⇒ PW-630U

If commands accepted

PW-630U ⇒ `D0, Pt, 66.2CR LF` ⇒ PC

If settings incorrect

PW-630U ⇒ `E6CR LF` ⇒ PC

3 Set height

Ex: 5 ft 7.5 in (171 cm)

PC ⇒ `D30067.5CR LF` ⇒ PW-630U

If commands accepted

PW-630U ⇒ `D3, Hi, 67.5CR LF` ⇒ PC

If settings incorrect

PW-630U ⇒ `E6CR LF` ⇒ PC

4 Set ID

Ex: 000012345

PC ⇒ `D50000012345CR LF` ⇒ PW-630U

If commands accepted

PW-630U ⇒ `D5, ID"00000012345"CR LF` ⇒ PC

If settings incorrect

PW-630U ⇒ `E6CR LF` ⇒ PC

5 Confirm settings

PC ⇒ `D?CR LF` ⇒ PW-630U

If setting is completed

PW-630U ⇒ `D0, Pt, 66.2, D3, Hi, 67.5, D5, ID"00000012345"CR LF` ⇒ PC

If setting is incomplete

PW-630U ⇒ `D0, Pt, 0.0, D3, Hi, 0, D5, ID"00000000"CR LF` ⇒ PC

6 Start measurement (BMI mode)

PC ⇒ `GCR LF` ⇒ PW-630U

After measurement preparations is completed

PW-630U ⇒ `S6CR LF` ⇒ PC

After measurement is completed

PW-630U ⇒ (measurement result) `CR LF` ⇒ PC

After a person of measurement went down from Platform

PW-630U ⇒ `S1CR LF` ⇒ PC

7 Measurement result

Readings will be outputted when measurement is finished.

If concluded normally

PW-630U ⇒ `{0, 16, ~0, 1, ~1, 1, ~2, 1, M0,`

```
"PW-630", Da, "11/21/2005",
  Model                               Date
TI, "19:29", ID, "0000012345",
  Time                                 ID
Hi, 67.5, 5, Wp, 179.8, Pa, 66.2,
  Height                               Weight                               Memory 1 amount
Pb, 0.0, Pt, 3.4, Ta, 0.0,
  Memory 2 amount                     Clothing weight                     Tare
MI, 27.9, CS, 00 CR LF ⇒ PC
  BMI                                 Checksum Terminator
```

8 Next measurement

After the measurement is completed, LCD of PW-630U turns into a setting confirmation screen.
Data except for clothes weight are cleared.

9 Measurement cancel

PC ⇒ `qCR LF` ⇒ PW-630U

10 Error

Scale error

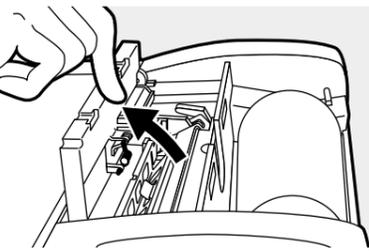
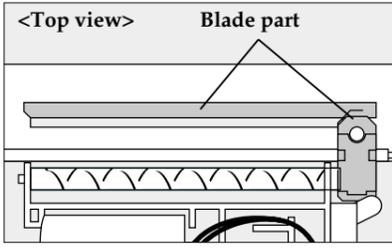
PW-630U ⇒ `E0CR LF` ⇒ PC

Measured value error

PW-630U ⇒ `E4CR LF` ⇒ PC

Troubleshooting

If you feel "is it broken?" check the following positions before requesting repair.

Problem	Solution
 is pressed, however, nothing is displayed. Stays 88888 without acting.	<ul style="list-style-type: none"> Check each connection : Wall socket and AC cord, AC cord and AC Adapter, AC Adapter and Controller, Controller and Platform. Check that there is no vibration where you place the scale.
The printer does not act normally.	 <ul style="list-style-type: none"> Unnecessary paper may remain inside the automatic cutting unit. Open the automatic cutting unit along the parting line and remove the unnecessary paper. Refrain from opening the automatic cutting unit at times other than necessary because it may cause a failure. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>⚠ Cautions</p> <ul style="list-style-type: none"> Never touch the blade part (paper cutting part) that can be seen from the paper discharge part, or you may get injured.  </div>
It is not outputted to the printer.	<ul style="list-style-type: none"> Check that the print roll paper has not run out. Check that the ◀ mark is lighted at the position of the "PRINT" on the display part. * See page 13 "Change of setting". Check the print setting is not activating.
P. End is displayed and it cannot be measured.	<ul style="list-style-type: none"> The print roll paper has run out. Supply new print roll paper. * See page 11 "Loading the Print roll paper". * By pressing the (CE) key, it can measure without activating the printing function. Check that the print roll paper is properly fed. Check that the head up lever is not raised. * See page 25 "Clearing Paper Jams".
Error display (E01, E11, E12, E13, E14) is issued during measurement and it cannot be measured.	<ul style="list-style-type: none"> The equipment needs to be adjusted again. Contact the agent from which you purchased the product. In the case that E11 is display, check that the code connection.
Error display - - - - is issued during weight measurement and it cannot be measured.	<ul style="list-style-type: none"> Check that the measurement does not exceed the weighing capacity (660lb / 300 kg).
P [is displayed and it cannot be measured.	<ul style="list-style-type: none"> Press  of the Controller and turn off and on the power of the equipment again. It returns to the normal screen ( page 29 "PC mode").
uuuuu is displayed and it cannot be measured.	<ul style="list-style-type: none"> An object of 66 lb (30 kg) or more is placed on the Platform. The Platform is not normally installed.

Product specifications

Model number		PW-630U
Weight measuring part	Measurement System	Strain Gauge Load Cell
	Maximum capacity (maximum weighing)	660 lb / 300 kg (including tare)
	Minimum Graduation (minimum display)	0.2 lb / 0.1 kg
Print output items	Display	
	Height	3 ft - 8 ft 2.0 in / 90 - 249 cm (0.5 in / 1 cm unit)
	Weight	4.0 - 660 lb / 2.0 - 300.0 kg (0.2 lb / 0.1 kg unit)
	BMI	Weight (kg) / height ² (m)
	Date and time	2005/1/1 - 2099/12/31
Input items	ID number	0000000000 - 9999999999
	Clothing weight	0.2 lb / 0.1 kg unit
	BMI graph	12 degrees
	ID number	0 - 9999999999 (Up to 10 digits can be inputted)
Selection items	Tare setting	0.2 - 330 lb / 0.1 - 150.0 kg (0.2 lb / 0.1 kg unit)
	Height	3 ft - 8 ft 2.0 in / 90 - 249 cm (0.5 in / 1 cm unit)
	Setting of reading-out of previous tare	ON / OFF
	Setting of the ID input checking time	0 - 60 seconds
	Setting of the BMI mode	ON / OFF
	Setting of the BMI (body mass index)	BMI
	Setting of the number of sheets to print	0 - 9 sheets
	Setting of the print items	TANITA, Model name, date and time, ID Number, height, weight and tare, BMI, BMI graph
	Setting of the weight lock time	0 - 60 seconds (Only in the case that the number of sheets to print is set to 0 sheet.)
	Setting of weight lock release function	ON / OFF
Display part	LCD (top line: 5 digits 0.88 in / 22mm, bottom line: 6 digits 0.64in / 16mm)	
Output Data interface	RS-232C (D-sub 9-pin connector) biway communication	
Power source	AC Adapter (included) Centre Minus MODEL SA25-0535U CLASS 2 Input Voltage : 100 - 240 VAC 50 / 60 Hz 550 mA Output Voltage : 5 V DC ± 0.3 V Rated Current : 3.5 A No Load Input Voltage : 5 V DC ± 0.3 V	
Power Consumption	17.5 W max	
Operating temperature range (storage temperature range)	32 - 95°F (14 - 140°F) / 0 - 35°C (-10 - 60°C)	
Product weight	Controller	About 2.2 lb / 1 kg
	Platform	About 68.2 lb / 31 kg
Size	Controller	D7.91×W10.1×H2.52 in / D201×W256×H64 mm
	Platform	D37.4×W42.2×H5.47 in / D950×W1071×H139 mm
Service parts	Print roll paper (plain thermal paper, roll diameter 2.2 in / 55 mm) roll length about 111 ft 6.0 in / 34 m	

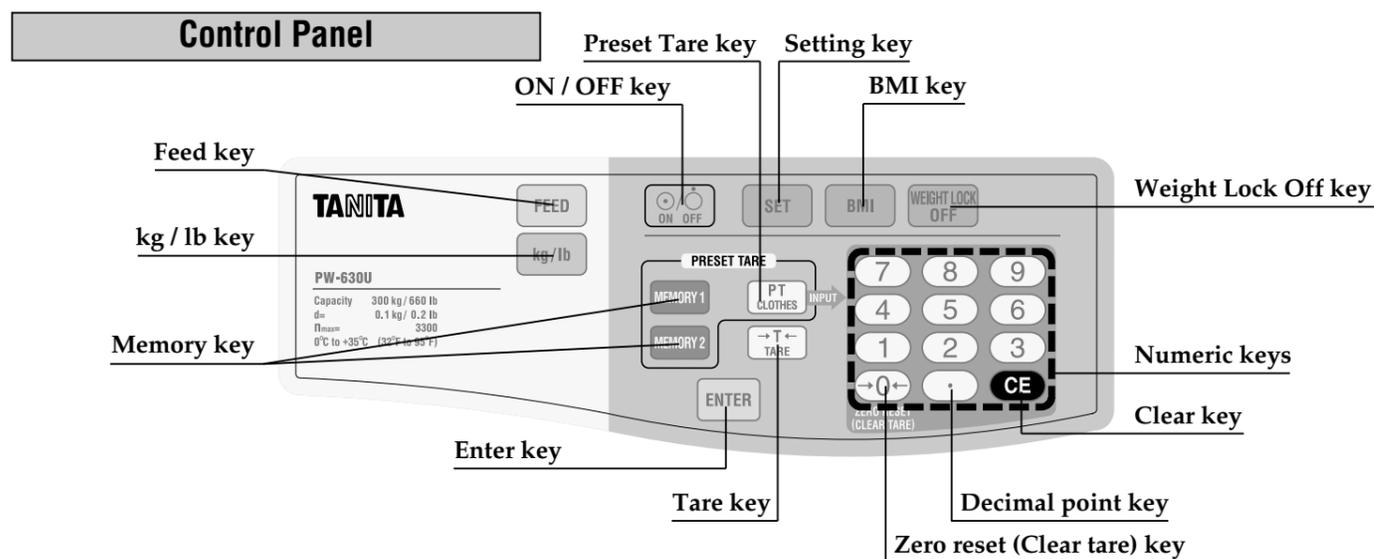
⚠ Caution In the case that paper other than the exclusive print roll paper is used, the printing quality and the life of the thermal head may not be guaranteed.

When necessary
(cautions for safety)

When necessary
(cautions for safety)

Quick Manual

As necessary, please copy and use.



Preparation

- 1 Press** .

* In the case that ID number is not input, it moves to the step 3.
- 2 Input the ID number**

(1) Input by pressing - .

(2) Press .
- 3 Input the height**

(1) Input by pressing - .

(2) Press .

* In the case that OFF is set in the "Setting of the BMI", it moves to the step 4.

- 4 Input the tare**

* In the case that the tare is not input, it moves to the "5 Input the clothing weight".

In the case to use the preset tare

Press or .

The registered tare is displayed, and the to show the memory number of the used preset tare lights up, and the to show the input instruction of the clothing weight flashes.

In the case to use the tare

(1) Place an object (wheelchair, etc.) to register on the Platform.

(2) When WEIGHT LOCK mark lights up, press .

- 5 Input the clothing weight**

(1) Press . 0.0 lb (0.0 kg) is displayed at the bottom line.

(2) Press - to input the clothing weight.

(3) While memory 1 or Memory 2 were set, total weight will be displayed at the top line and PT should be lights up, then STEP ON is flashing.

Weight measurement

- 6 Make a measurement**

Get on the centre of the Platform, and the measured value is displayed. After displaying the measurement result, it is printed out according to setting. After that, it automatically returns to the ID input screen.

* In the case that the BMI is on, the weight is displayed at the top line, and the BMI is displayed at the bottom line.
- 7 Turn OFF the power**

Press the key.

The display goes off.

Change of setting

- 1 Press** .

2 Press .
- Determine the setting mode**

Input or with the numeric key, as necessary.

: Setting of the date and time

: Setting of each item

Setting of the date and time (above in the step 2)

- 3 Press** on the setting screen

The input screen of the date and time setting is displayed. The top line is for the year, and the bottom line for the month.
- 4 Input the current time**

Input the numeric value from the top line in order according to flashing. When the date is inputted, the time input screen is automatically displayed.
- 5 Returns to the measurement screen**

When all the input is completed, it automatically returns to the measurement screen.

Setting of each item (above in the step 2)

- 3 Press** on the setting screen

Language Selection. Input - with the numeric keys.

: English

: French

: German

: Italian

: Spanish
- 4 Set the automatic reading of the preset tare**

Input either or with the numeric key.

: Automatic reading is not used.

: Automatic reading is used.
- 5 Set ON / OFF of the ID number**

Input either or with the numeric key.

: ID number is not used.

: ID number is used.
- 8 Set the number of sheets to print**

Input the number of sheets to print with the numeric key.
- 9 Set the print items**

For each number, input either or with the numeric key.

no. 1: TANITA

no. 2: Model name

no. 3: Date and time

no. 4: ID number

no. 5: Height

no. 6: Weight and tare

no. 7: BMI

no. 8: BMI graph

: Does not print the item

: Prints out the item
- 10 Set the automatic cutting**

Input either or with the numeric key.

: Does not automatically cut after printing.

: Automatically cuts after printing.
- 11 Set the weight lock time**

Input - with the numeric keys.
- 12 Set the function to automatically release the display fix**

Input either or with the numeric key.

: Does not release the weight lock automatically.

: Releases the weight lock automatically.

After input, it automatically returns to the measurement screen.



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