E

Especificaciones

TIPO			WB-100P
Medición de peso	Sistema de medición		Celda de carga del expansímetro
	Máxima capacidad/Mínima graduación		200 kg/0.1 kg (400 lbs/0.2 lb)
Items de entrada	Altura		90 - 249 cm/incrementos de 1 cm (2 pies 11.5 pulg. 8 pies 2 pulg.)
Items de salida	Indicación	Peso	200 kg (incrementos de 0.1 kg (400 lbs/incrementos de 0.2 lb)
		Altura	90 - 249 cm/incrementos de 1 cm (2 pies 11.5 pulg-8 pies 2 pulg.)
		BMI	incrementos de 0.1
Tamaño	En conjunto		336 ×600 ×1070mm (13 1/4 ×23 5/8 ×42 1/8 in)
	Pantalla		159 ×209 ×56mm (6 1/4 ×8 1/4 × 2 1/4 pulg.)
	Plataforma		301 ×336 ×80mm (11 7/8 ×13 1/4 ×7 7/8 pulg.)
Pantalla			LCD de 5 cifras superiores y 4 cifras inferiores altura de nœmeros 25 mm (1 pulg.)
Interface de datos de salida			RS-232C (D-sub de 9 pasadores Conector macho)
Fuente eléctrica			Adaptador de CA (entregado) centro negativo
Electricidad de régimen			CC de 9 V 300 mA (pila alcalino LR6-AA x 6 no entregados)
Consumo eléctrico			0.3W máxio
Gama de temperaturas de uso			0ºC/+35ºC (32ºF/95ºF)
Peso del equipo			5.1 kg (11.3 lbs.) (excepto las pilas)
Duración de la pila:			unas 100 horas de uso continuo con LR6 (pila alcalina AA)

Spanish

Aviso de la Comisión Federal de Comunicaciones (FCC) de EE. UU. y de la ICES de Canadá

Se han hecho pruebas de este equipo, y se ha encontrado que cumple con los límites para un dispositivo digital de Clase B, de acuerdo con la Parte 15 de las reglas de la FCC y de la ICES-003 canadiense. Estos límites están diseñados para proporcionar una protección razonable contra interferencia dañina, en una instalación residencial. Este equipo genera, usa y puede emitir energía de radiofrecuencia y, si no está instalado y se usa de acuerdo con las instrucciones, puede causar interferencia dañina a las comunicaciones de radio. Sin embargo, no hay garantía de que no ocurrirá interferencia en una instalación en particular. Si este equipo causa interferencia dañina a la recepción de radio o de televisión, que se puede determinar al apagar y encender el equipo, entonces se sugiere al usuario que trate de corregir la interferencia mediante una o más de las medidas siguientes:

• Reoriente o reubique la antena de recepción.
• Aumente la separación entre el equipo y el receptor.
• Conecte el equipo a un tomacorriente en un circuito distinto a aquél al cual está conectado el receptor.
• Consulte con el vendedor o con un técnico con experiencia en radio o televisión, para que le proporcione ayuda.

Modificaciones

La FCC requiere que se notifique al usuario que cualquier cambio o modificación que se efectúe a este dispositivo, que no sea aprobado expresamente por Tanita Corporation, podría anular la autoridad del usuario para operar este equipo.

TANITA®

TANITA Corporation
14-2,1-chome,Maeno-cho,Itabashi-ku
Tokyo,Japan
Tel:(03)3968-2123 / (03)3968-7048 Fax:(03)3967-3766

TANITA Corporation of America,inc.
2625 South Clearbrook Drive
Arlington Heights,
Illinois 60005 U.S.A.
Tel : 847-640-9241
Fax : 847-640-9261
http : //www.tanita.com

TANITA Health Equipment H.K.LTD.
Unit 301-303 3/F Wing On Plaza,
62 Mody Road, Tsimshatsui East,
Kowloon, Hong Kong
Tel : +852-2838-7111
Fax : +852-2838-8667

TANITA Europe GmbH
Dresdener Strasse 25
D-71065 Sindelfingen,
Germany
Tel : 07031-6189-6
Fax : 07031-6189-71

TANITA UK LTD.
The Barn, Philpots Close,
Yiewsley, Middlesex,
UB7 7RY,
United Kingdom
Tel : +44-1895-438577
Fax : +44-1895-438511

TANITA France S.A.
Villa Labrouste
68 Boulevard Bourdon,
92200 Neuilly-Sur-Seine,
France
Tel : 01 55 24 99 99
Fax : 01 55 24 98 68

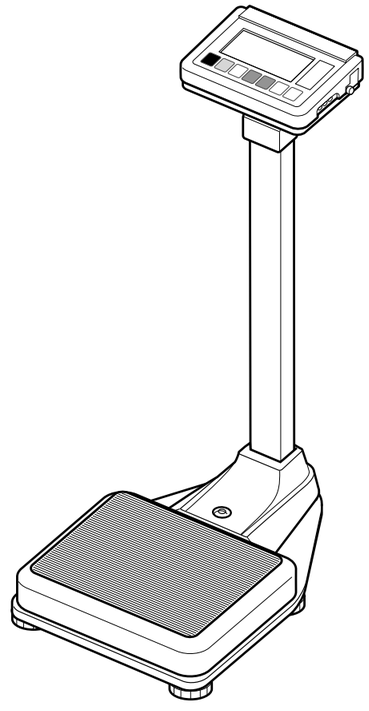
WB1007091

TANITA®
Monitoring Your Health

GB

ELECTRONIC SCALE
WB-100P
REMOTE DISPLAY VERSION

INSTRUCTION MANUAL



Please keep this manual in a safe place, and make sure it is readily available whenever necessary. Please use this product only after carefully reading this manual and fully understanding its contents.

Table of Contents

1. Precautions

Warnings

Various symbols are used in this instruction manual as well as on the product in order to prevent injury to personnel and damage to property. It is advisable to familiarize yourself with these terms prior to reading the rest of this booklet.

⚠ WARNING **Death or serious injury could occur if these precautions are not followed or the product is misused.**

⚠ WARNING **Death or serious injury due to electric shock could occur if these precautions are not followed or the product is misused.**

⚠ CAUTION **Injury or damage to property could occur if these precautions are not followed or the product is misused.**

⚠ **This type of warning alerts the user to general safety instructions.**

⚠ WARNING ●Make sure that all parts are securely fastened to prevent the user from falling.

⚠ WARNING ●When using an AC adaptor, do not insert or remove the power plug from an electric outlet with wet hands as this may result in electric shock.

⚠ CAUTION ●Do not jump onto the product to avoid falling off it, causing injury.
●Place and use this product on a level floor to prevent it falling over.

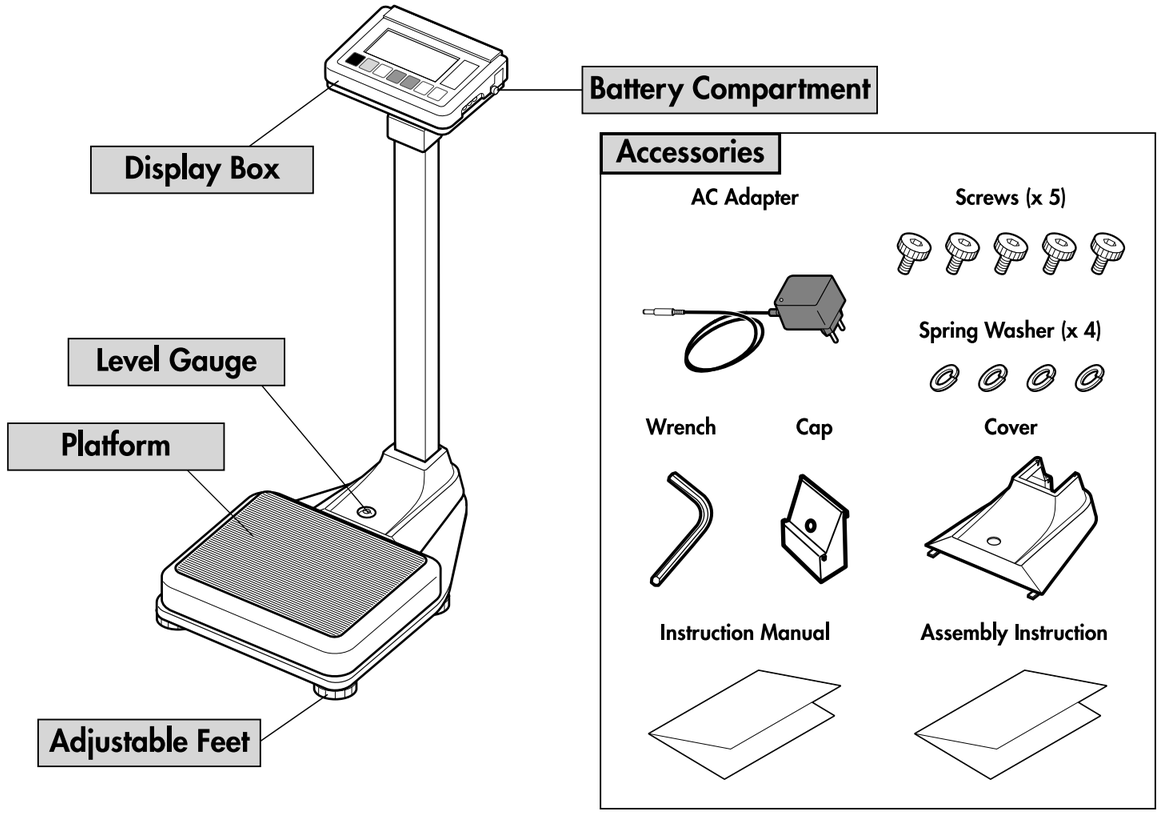
- If used close to radio or TV sets, this product may cause interference. To avoid abnormal operation of electronic equipment in hospitals or similar facilities which are sensitive to electromagnetic waves, make sure in advance that such equipment is not affected by the emission from this product.
- As this product is heavy, please hold it by its base with both hands when moving it.
- Please unplug the AC adaptor from this product when moving it.
- Before moving this product, unplug the AC adaptor from the DC jack.

⚠ This product is a delicately-adjusted precision instrument. Please observe the following instructions when using it.
- Do not disassemble parts.
- Do not subject this product to excessive shock or vibration.
- Avoid using the product in a place exposed to direct sunlight or near a heat source.
- Avoid using the product in a place subject to wide temperature variations.
- Do not clean or wipe the product with benzene or thinner. (When the product needs cleaning, use a neutral type of detergent.)
- Do not store the product in an area with excessive humidity, dust or vibration.
- If the product will not be used for a long period, remove the batteries before storage.
- If the product is moved to a place with a temperature difference of 20 °C or more, leave it for at least 2 hours before use.
- When transporting the product, pack it in its original carton.

2. Based on NIH/WHO BMI Guidelines

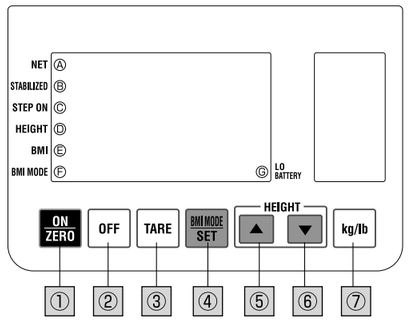
Under Weight		BMI < 18.5
Normal Range		18.5 ≦ BMI < 25
Pre obese		25 ≦ BMI < 30
Obese	CLASS Ⅰ	30 ≦ BMI < 35
Obese	CLASS Ⅱ	35 ≦ BMI < 40
Obese	CLASS Ⅲ	BMI ≧ 40

3. Parts List



GB

4. Name of key Operations



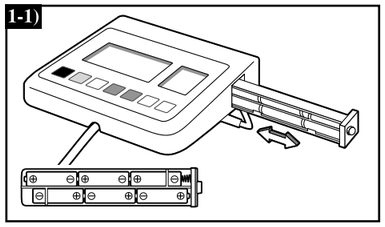
<Function of switches>

① ON/ZERO key
② OFF key
③ TARE key
④ BMI key
⑤ UP key
⑥ DOWN key
⑦ kg/lb key

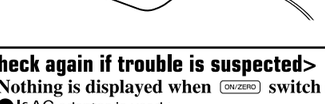
Ⓐ NET mark
Ⓑ STABILIZED mark
Ⓒ STEP ON mark
Ⓓ HEIGHT mark
Ⓔ BMI mark
Ⓕ BMI MODE mark
Ⓖ LO BATTERY mark

5. Set up

1-1)



1-2)



<Before using>

1. Power source

Please use an AC adaptor or 6 × LR6 (AA Alkaline batteries).

1) In case of using batteries (not included)

Loosen the battery box fixing screw on the side of the display box and pull out the battery box. Place the batteries in the direction as illustrated and insert the battery box back to its original position and tighten the battery box fixing screw. When the [lo] is displayed and ▶ is turned on in the battery replacement warning mark ▶ LO BATTERY, replace all 6 batteries.

⚠ Be careful when replacing the batteries not to let the batteries fall off.

2) In case of using AC adaptor (optional part)

Insert the AC adaptor jack into the DC jack on the side of the display box and plug the AC adaptor into the AC wall outlet. (Use our genuine optional AC adaptor.)

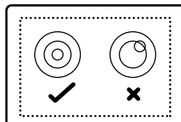
<Check again if trouble is suspected>

(1) Nothing is displayed when [ON/ZERO] switch is pressed

- If AC adaptor is used :
  Check the connection of the AC adaptor jack to the DC jack, and the connection of the AC adaptor plug to the wall outlet.
- If batteries are used :
  The batteries may be weak. Try an AC adaptor or new LR6 (AA) batteries.

(2) Measurement is not accurate

- Check that all legs of the scale are steady.
- Accurate measurement may be impossible if the product is used where there is excessive vibration. Try using the product in a different place.



<Level Check>

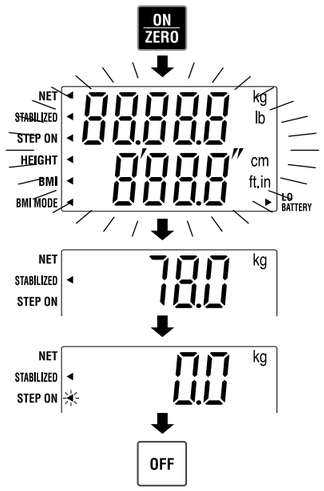
For accurate measurement, place the unit on as flat a surface as possible and set the level with the four adjustable feet so that the bubble in the level gauge is in the center of the frame.

Please adjust the feet so that all of them are on a level surface.

GB

6. Operation

1. Standard Weighing Procedures



1. Turn on the power by pressing the [ON ZERO] key.

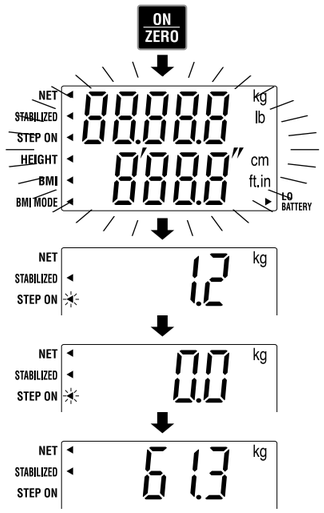
2. After all the segments flash, [0.0 kg] is displayed.

3. The person to be weighed should stand still in the middle of the scale.
The weight will be displayed.

4. Measurement is completed.
When the person steps off the scale, the display will return to [0.0 kg].

Turn off the power by pressing the [OFF] key.

2.Tare Weighing



1. Turn on the power by pressing the [ON ZERO] key.

2. After all the segments flash, [0.0 kg] is displayed.

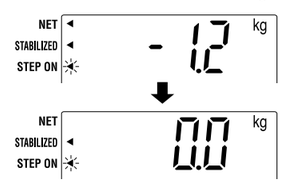
3. Carefully place the tare items (clothes, etc.) at the center of the platform.
The weight of the items will be displayed.

4. Press the [TARE] key.
An arrow will appear next to the ◀[NET] mark and [0.0 kg] will be displayed.

5. When weighing an object including tare items, the weight of the object minus that of the tare items, which is the net weight, will be displayed.

⚠
- To change the tare weight, cancel the tare weighing function and repeat from step 3.
- When using the tare weighing function, the measurement range is reduced by the tare weight.
  (Measurement Range) = (Maximum Measurable Weight) - (Tare Weight)

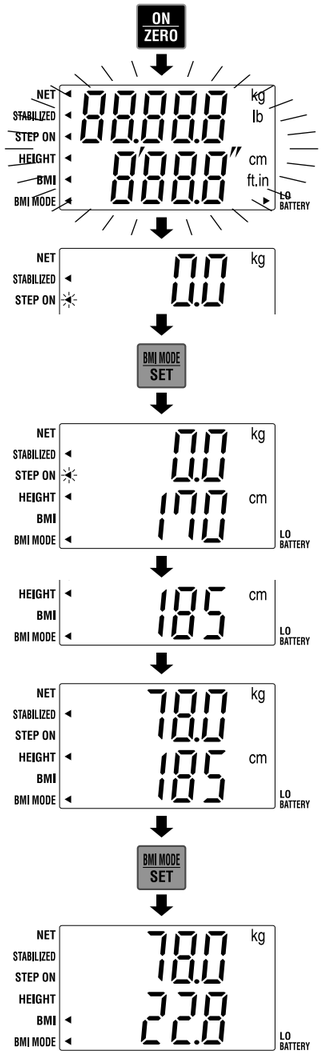
3.Cancellation of Tare Weighing Function



1. Remove the tare items (clothes, etc.) from the tray.
The weight will be displayed as a negative value.

2. Press the [TARE] key.
The arrow next to the ◀[NET] will disappear and [0.0 kg] will be displayed.

4. BMI Weighing



1. **Turn on the power by pressing the ON ZERO key.**

2. **After all the segments flash, [0.0 kg] is displayed.**

3. **Please push BMI MODE SET for at least two seconds.**

   [0.0 kg] and the default height [170 cm] will be displayed.

4. **Please set your height with the ▲ ▼ key.**
   (this can also be entered after you step on the scale).

   The person to be weighed should stand still in the middle of the scale.
   The weight will be displayed.

5. **Once your height and weight have been established, please press BMI MODE SET .**
   Your weight and BMI figure will be displayed.

   * Whenever you press the BMI MODE SET key in BMI mode, the scale will switch alternately between BMI and height (can be changed with the ▲ ▼ key) display.

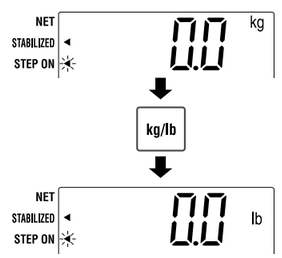
   * The display will return to [0.0 kg] and the default height [170 cm], if you press BMI MODE SET after stepping off the scale.

5. Auto Power off Interval Setting

1. When the Scale power off,Press BMI MODE SET key and hold. Press ON ZERO key. Release the holding BMI MODE SET key.
2. The display turns to "Auto Power Off Interval Setting Mode" showing "20" as 20 minutes power off setting as default.
3. Press ▲ (up arrow marking) or ▼ (down arrow marking) key and set 10 for 10 minutes and/or CONT for continuous setting if you need it.
4. Press BMI MODE SET key to complete.

6. Changing Measurement Units

This function is used to change the measurement units on the display.
e.g. When changing the unit from kg to lb.



1. **Press the kg/lb key.**

   The measure shifts from kg to lb and the measurement units change.

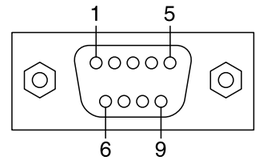
7. RS-232C Communication Specifications

■Specifications

Communication standard	EIA RS-232C
Communication method	Asynchronous method
Signal speed	2,400 baud
Data bit length	7 bit
Parity	EVEN
Stop bit	1 bit

■Names and connection methods for signal lines

Terminal no.	Signal name
1	
2	RXD
3	TXD
4	
5	GND
6	
7	
8	
9	



⚠ ● An RS-232C connector (D sub 9 pin male) is attached to the side of the display box.
● When connecting the display box with a personal computer, etc., please use an RS-232C cross cable.

■Weighing Mode

When receiving 4 bytes of data as indicated in 1-1 while using the scale in weighing mode, weight data will be output in 14 bytes, as indicated in 1-2.
* While the scale is used with lb (pound) measurement units, the weight data will be output in lbs (pounds).

1-1 Reception data

1	2	3	4
D	R	CR	LF

1-2 Transmission data

1	2	3	4	5	6	7	8	9	10	11	12	13	14
S	D					7	5	.	0	k	g	CR	LF

Details of Weighing Mode Transmission Data

Byte nos. 1-2	Header	2 bytes fixed	SD: Unstable S_: Stable SI: Overload, etc.
Byte nos. 3-4	Separator	2 bytes fixed	2 spaces
Byte nos. 5-10	Weight data	6 bytes fixed	Right-aligned
Byte nos. 11-12	Measurement units	2 bytes fixed	Kg:kg Lb:lb
Byte nos. 13-14	Terminator	2 bytes fixed	CR+LF

■BMI Mode

While the scale is used in BMI mode, the output data will vary depending on the form of the received data.
① When receiving 4 bytes of data, as indicated in 1-1, the scale will calculate your BMI using the currently input height figure, and 26 bytes of data will be output, as indicated in 2-1 or 2-2, depending on the measurement unit.
② When receiving 11 bytes of data, including measurement units and height figures, in the form indicated in 1-2 or 1-3, the scale will calculate your BMI using these figures, and 26 bytes of data will be output, as indicated in 2-1 or 2-2, depending on the measurement unit.

1-1 Reception data

1	2	3	4
D	R	CR	LF

1-2 Reception data (height data when using kg)

1	2	3	4	5	6	7	8	9	10	11
D	H	k	g			1	8	0	CR	LF

*Please input 90-99cm height data as 090-099.

1-3 Reception data (height data when using lb)

1	2	3	4	5	6	7	8	9	10	11
D	H	L	b	5	.	1	1	0	CR	LF

* Height data in ft. (feet) and in. (inches) will appear as follows.
5 feet, 11.0 inches will appear as 5.110.
* When INCH is 1 figure less than 10 inch, please put in 0 and input by 2 figures.
e.g. 2inch → 02 inch

Details of BMI mode transmission data

Byte nos. 1-2	Header	2 bytes fixed	SD: Unstable S_: Stable SI: Overload, etc.
Byte nos. 3-4	Separator	2 bytes fixed	2 spaces
Byte nos. 5-10	Weight data	6 bytes fixed	Right-aligned
Byte nos. 11-12	Measurement units	2 bytes fixed	Kg:kg Lb:lb
Byte nos. 13	Separator	1 byte fixed	1 comma
Byte nos. 14-18	Height data	5 bytes fixed	Right-aligned
Byte nos. 19	Separator	1 byte fixed	1 comma
Byte nos. 20-24	BMI data	5 bytes fixed	Right-aligned
Byte nos. 25-26	Terminator	2 bytes fixed	CR+LF

2-1 Transmission data (kg/cm)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
S	D					7	5	.	0	k	g	,			1	8	0	,		2	3	.	1	CR	LF

2-1 Transmission data (lb/ft. in)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
S	D				1	6	5	.	4	L	b	,	5	.	1	1	0	,		2	3	.	1	CR	LF

GB

Specifications

TYPE			WB-100 P
Weight Measurement	Measurement System		Strain Gauge Load Cell
	Maxmum Capacity/Minmum Graduation		200kg/0.1kg (440lb/0.2lb)
Input Items	Height		90~249cm/1cm increments (2ft 11.5in~8ft 2in)
Output Items	Display	Weight	200kg/0.1kg increments (440lb/0.2lb increments)
		Height	90~249cm/1cm increments (2ft 11.5in~8ft 2in)
		BMI	0.1 increments
Size	Overall		336 ×600 ×1070mm (13 1/4 ×23 5/8 ×42 1/8 in)
	Display		159 ×209 ×56mm (6 1/4 ×8 1/4 × 2 1/4in)
	Platform		301 ×336 ×80mm (11 7/8 ×13 1/4 ×7 7/8in)
Display			Upper 5Digits and Lower 4Digits LCD Height of numerals 25mm (1in)
Output Data Interface			RS-232C (D-sub 9pins Male Connector)
Power Source			AC Adapter (included) Center Minus
Power Consumption			0.3W max
Temperature Range of usage			0ºC/+35ºC (32ºF/95ºF)
Weight of Equipment			5.1kg (11.3lb) (except battery)
Rated Power			DC9V 300mA (LR6•AA Alkaline Battery ×6 not included)
Battery Life			approximately 100 hours of continuous use when using LR6 (AA Alkaline battery)

USA and Canada

Federal Communications Commission and Canadian ICES Notice

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 and Canadian ICES-003. 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 or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Tanita Corporation may void the user's authority to operate the equipment.

TANITA®

TANITA Corporation
14-2,1-chome,Maeno-cho,Itabashi-ku
Tokyo,Japan
Tel:(03)3968-2123 / (03)3968-7048 Fax:(03)3967-3766

TANITA Corporation of America,inc.
2625 South Clearbrook Drive
Arlington Heights,
Illinois 60005 U.S.A.
Tel : 847-640-9241
Fax : 847-640-9261
http : //www.tanita.com

TANITA Health Equipment H.K.LTD.
Unit 301-303 3/F Wing On Plaza,
62 Mody Road, Tsimshatsui East,
Kowloon, Hong Kong
Tel : +852-2838-7111
Fax : +852-2838-8667

TANITA Europe GmbH
Dresdener Strasse 25
D-71065 Sindelfingen,
Germany
Tel : 07031-6189-6
Fax : 07031-6189-71

TANITA UK LTD.
The Barn, Philpots Close,
Yiewsley, Middlesex,
UB7 7RY,
United Kingdom
Tel : +44-1895-438577
Fax : +44-1895-438511

TANITA France S.A.
Villa Labrouste
68 Boulevard Bourdon,
92200 Neuilly-Sur-Seine,
France
Tel : 01 55 24 99 99
Fax : 01 55 24 98 68

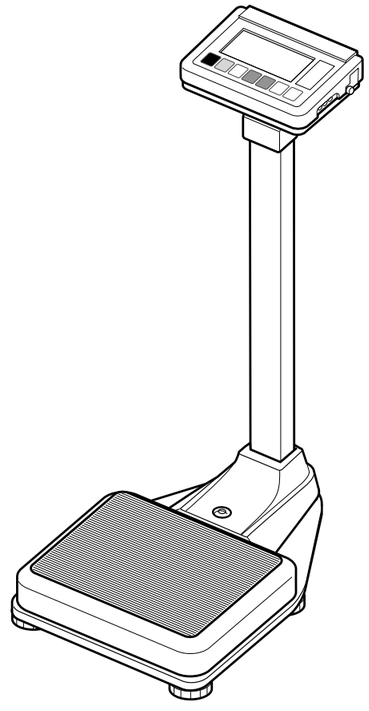
WB1007091

TANITA®
Monitoring Your Health

F

BALANCE ÉLECTRONIQUE WB-100P

MODE D'EMPLOI



Veuillez conserver ce mode d'emploi dans un endroit commode de manière qu'il soit facilement accessible en cas de besoin. N'utilisez l'appareil qu'après avoir pris connaissance du contenu du mode d'emploi.