

DPS-Promatic



Body Weight **STYLE**
User manual rev. 1.4

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Owner's record

The model number and serial number are located in the bottom exterior. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon the dealer regarding this product.

Model No.BWS

Serial No._____

Warning

To prevent fire or shock Hazard, do not expose the unit to rain or moisture.



This Symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions accompanying the appliance.

Disclaimer

This scale is produced to be operated by skilled personal that has been trained in Electrics and Electronis and mechanics related to coin operated machines. The purpose of this manual is to provide a guide to this operator and by no means to provide instructions to someone who does not have the required knowledge.

SAFETY PRECAUTION: This machine is powered by 230V (or 115V) and has inside of it voltages that could be lethal to operators and public.

It is NECESSARY to connect htis machine securely to a properly grounded outlet.

Failure to do so will result in potential life hazard to people and will zero all measures we have taken to make the machine as safe as possible.

Features

- The load cell weighing system ensures accuracy of 100 gr without the need of recurrent calibration.
- LCd display provides on line instructions to customers as well as to operators
- High speed printer provides printout on thermal paper with graphic capability
- Motorized guillotine cutter will cut paper at end of printout avoiding possibility of paper jamming caused by customers
- Large cash box allows delayed collection of money with possibility of leaving paper rolls to site owner.
- Ticket header can be programmed in 4 lines with customer name or location name or other advertisement
- Quick software calibration routine allows exact calibration of machine in a few seconds.

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Preparations

1.0-UNPACKING

- Take gently the machine out of the box taking care of cleaning any piece of packing material that could have gone below the platform or between the platform and the scale body.
- Find and identify the keys, the paper holder and the programming layout that are usually in the cash box.
- Read this manual completely before attempting any operation.

1.1-Installation

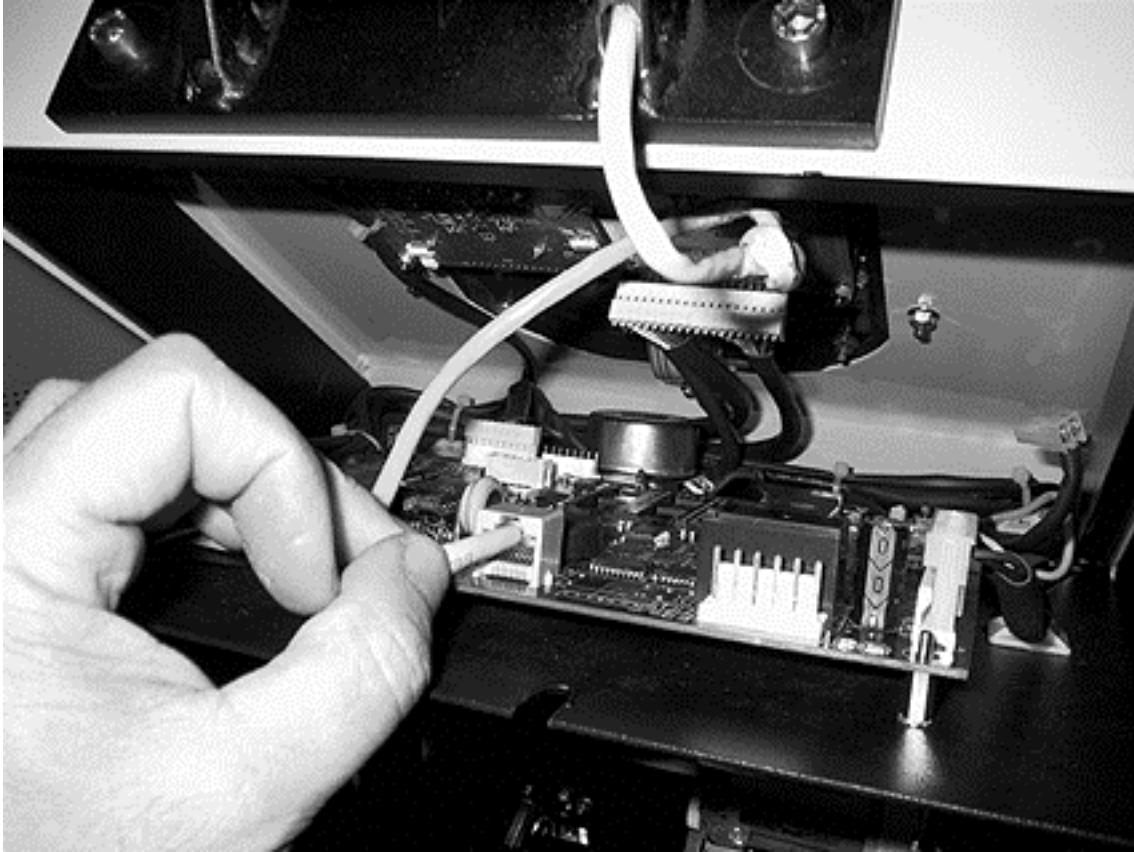
- Installation of a scale requires first of all leveling since what we are measuring is related to gravitational force and may vary due to wrong alignment of the platform that must be perfectly leveled with the ground.
Leveling is obtained adjusting the four adjustable feet.
Do not keep the feet too close to the machine since could be that steel plateholding load cell is touching the ground, preventing good leveling of the machine. Worse is to keep them too distant since it could result in a too high weigh centre of the machine making it easier for it to fall.
Optimum distance is about 2,5 cm (1 inch) of the frame from the ground.
- Height Meter: if your machine is equipped with a height meter, you should mount on the rear bracket, using the 2 screws provided with the height meter (they are usually already mounted on the 2 bottom holes of the Height meter).

1.2- Connection

- **WARNING: This machines requires a properly earthed outlet to work properly and with no risk for the customer.
YOU MUST CONNECT IT TO A GROUNDED OUTLET !**
- After having leveled the scale check that inside everything is in the proper place (e.g. nothing has moved out of its place during transportation).
- **IMPORTANT:** Remove everything from the platform
- Put the Power switch in the off position (0), connect machine to power plug and apply power

Basic Operations

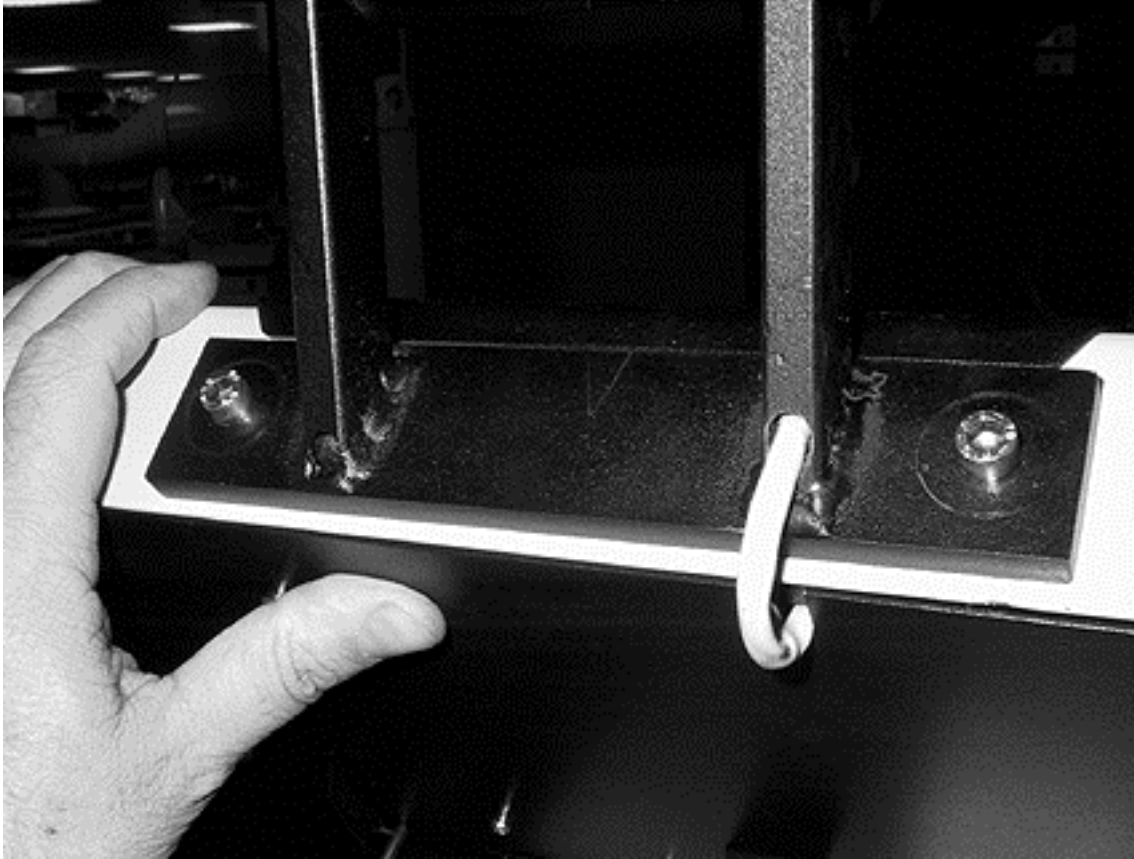
Height Meter mounting:



- 1- Install the Height meter to the scale head using the provided screws.
- 2- Switch off the scale, open the rear panel losing the 2 screws and connect the wire into the provided socket as shown in picture.

Basic Operations

Mounting the height meter:



Close the panel taking care not to squeeze wires, using the 2 screws that you removed before.

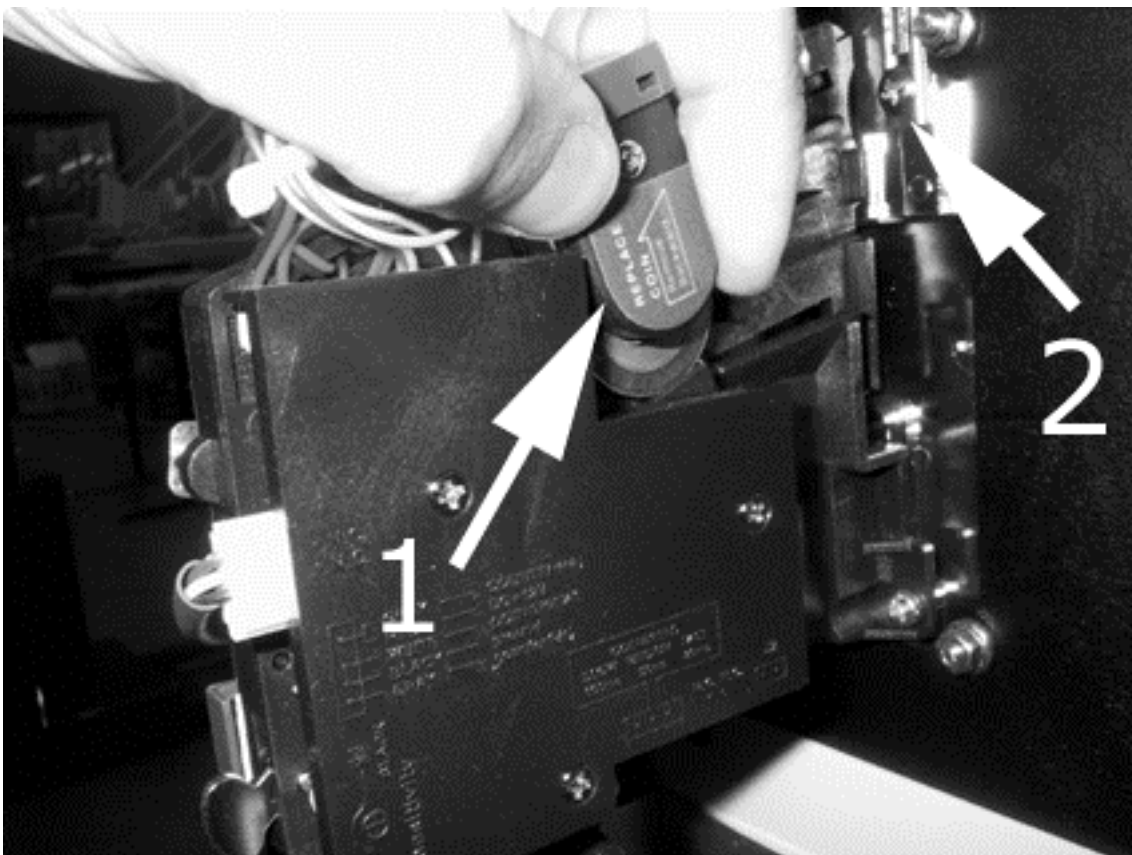
Basic Operations

BWS scales are supplied either :

- with Electronic acceptor, that is already factory programmed for the selected coins
- with a comparator acceptor, that actually compares 1 coin that is inserted into a guide, as shown below.

If the front mask of the acceptor is black, your scale has a factory programmed electronic acceptor and you can skip this page.

Activation of comparator acceptor:



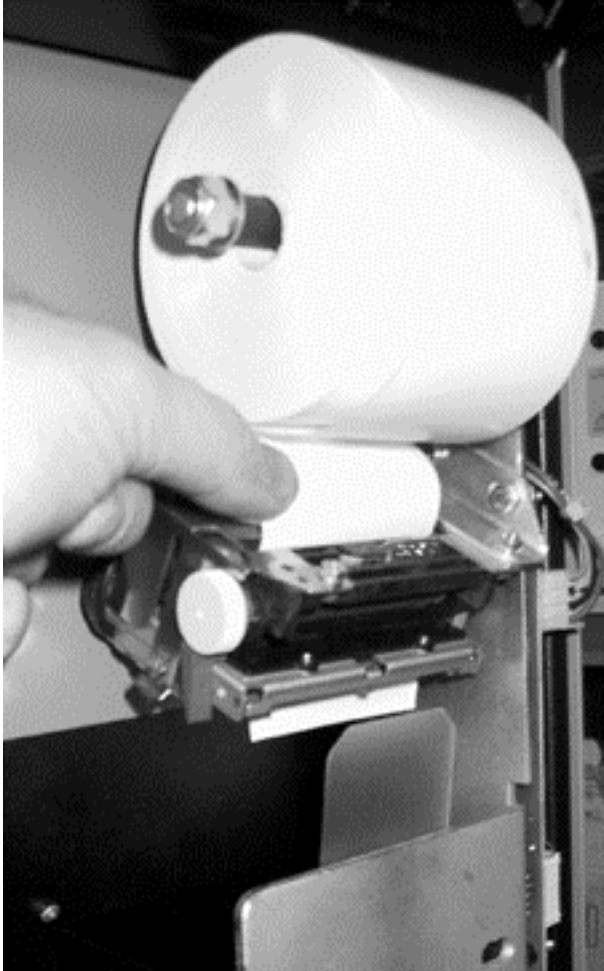
If your scale is equipped with the comparator acceptor shown in the picture, slide the guide and insert the coin you want to accept.

The acceptor will compare the coin customer will insert with the one you have inserted.

To avoid jams, adjust the input guide (2) so no coin bigger than the one you want to accept can enter the acceptor.

Basic Operations

Paper mounting:

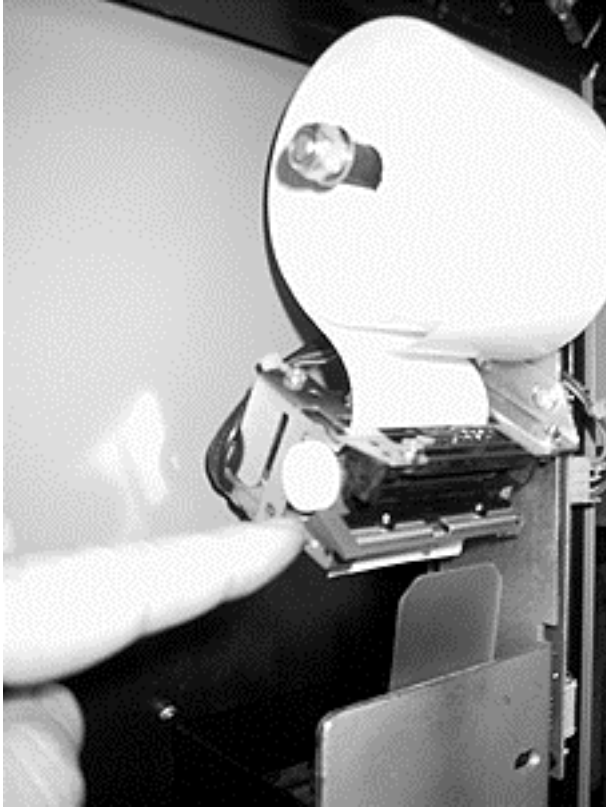


Cut the paper horizontally with scissors.
Pull down the head lever and insert paper with sensible side opposite to you.

push paper inside until it feeds out of the cutter and then put the head lever back to its original position, up.

Basic Operations

Paper mounting



remember to put the head lever back to its upper position.

Basic Operations

Paper mounting



In the unlikely event of a paper jam, open the cutter as indicated in the picture and clear the jam by hand. Never touch the blade with screwdrivers or hard objects.

Important note: NEVER, NEVER, NEVER touch the cutter blade with a metal object or you can throw it in the waste basket at once!

Basic Operations

Using the scale

- 1- Remove any weight from the platform and switch the scale on.
- 2- LCD will display BWS loading and then you will see the attract screen.

Pricing flexibility: This scale has been designed to allow maximum flexibility in choosing prices and what to give to the customer at different prices. There is a basic service (i.e. weight) , that corresponds to VEND 1(see programming menu) and additional services (i.e. BMI and Horoscope) that can be obtained with more money.

As an example, in Europe we recommend to set the WEIGHT for 20 cents and then to ask another 30 cents to get Body Mass Index, and lucky numbers and horoscope or biorhythm.

A good selections of these options provides a better service for the customer and an higher return from the scale.

Please see programming menu for details.

3-To weigh yourself insert the required amount (see programming instructions to set the amount) and stand on the platform, in the middle, without moving. depending on how you have set the scale, you will now be asked more money or the scale will measure your height automatically (if you have the ultrasonic height meter) or will ask for your birthdate (if you have chosen horoscope or biorhythm)

4-Eventually you will get one or more tickets that will vary according to how the scale was set.

There is 1 ticket for weight information, 1 for horoscope and 1 for biorhythm, so if you choose all 3 options (we don't recommen it) the scale will print 3 tickets.

Why more than 1 ticket? because if the ticket is too long, kids will grab and pull it while ptinrout is in progress, damaging printer and cutter.

Programming

How to enter program menu

Switch on the scale and while it shows BWS LOADING, press 1234.
you will see the following menu

- 1=counters**
- 2=set clock**
- 3=bill/coin acceptor**
- 4=vends price**
- 5=ticket layout**
- 6=options**
- 7=advertising**

To exit press the END button (on the right of the keyboard as shown by the LCD).

Choose the option you like

1-Counters

Allows to view counters and print them

2- Clock

Use this menu to set clock and date

Programming

3 = bill/coin acceptor

The BWS has 6 channels because in most countries like Europe, it is convenient to use an electronic acceptor to accept all possible coins.

In order to do this one must program what is the value of the coin that will enter a certain channel.

As an example, in Europe we use the following setup in Bill/Coin Acceptor menu:

1=CH1 -> 0

2=CH2 -> 10

3=CH3 -> 20

4=CH4 -> 50

5=CH5 -> 100

6=CH6 -> 200

In this way the scale knows the values of each coin that can be accepted by the acceptor.

In countries where you want to use a standard acceptor or a comparator acceptor that only accepts one coin you can put that on channel 1 and set it according to its value. As an example,

in India for 5 Rupees, you should program as follows:

1=CH1 -> 5

2=CH2 -> 0

3=CH3 -> 0

4=CH4 -> 0

5=CH5 -> 0

6=CH6 -> 0

If you have a comparator or a mechanical acceptor, the only channel that is enabled is CHANNEL 1.

Programming

4- VEND PRICES

After having done this, it is necessary to program the VEND prices that means at what price you will vend the basic service (usually weight only) and the second option (usually horoscope and BMI). You will decide later what to give as a basic service (we call it VEND 1) and as an option (we call it VEND 2).

To do this you should enter the VENDS PRICE menu and select them accordingly.

We need to explain a few abbreviations:

SCF is the Scaling Factor, that means a number that will be multiplied to the price. I.E. in Italy in the past we had the 1000 lire so we put this to 1000. Usually you keep it at 1.

DPI is the dot position indicator. Actually it is where the decimal point is. For Europe we keep it at 0100 that means 2 decimal digits, since we write 1.00 Euro. For India one can write 0001 that means no decimal point, and 5 will mean 5 Rupees.

CUR is the currency name. If your country currency is not listed, set it to Amount:

This is how we set it in Europe to vend the basic service (VEND1) for 20 cents and the option (VEND2) for 30 cents.

Set the Vending Prices

VND1 = 20xSCF = 0.20

VND2 = 30xSCF = 0.30

1 = VND1 -> 20

2 = VND2 -> 30

3 = SCF -> 1

4 = DPI -> 0100

5 = CUR -> Euro

Programming

This is how it could be set in India to sell the basic service for 5 Rupees and the Option for another 5 Rupees

Set the Vending Prices

VND1 = 5xSCF = 5

VND2 = 5xSCF = 5

1 = VND1 -> 5

2 = VND2 -> 5

3 = SCF -> 1

4 = DPI -> 0001

5 = CUR -> Amount

5 = Ticket layout

Once prices have been programmed, you have to choose what you want to give as a basic service and what you want to give as an option.

To do this enter menu 5-Ticket Layout and choose 0,1 or 2 for each option.

- 0 means **NOT ENABLED**,
- 1 means sold as a basic function (VEND1),
- 2 means sold as an option (VEND2).

Ticket layout

0 -Not enabled

1 -Enabled on Vend 1

2 -Enabled on Vend 2

Weight.....1

1 = Ideal Weight.....0

2 = Body Mass Index..2

3 = daily calories...0

4 = Lucky numbers....0

5 = Biorhythm.....2

6 = Horoscope.....0

We recommend not to enable Ideal Weight AND Body Mass index because results may differ a little being computer according to different systems. Please note that in order to prevent people from tearing too long ticket the scale will print a ticket with weight data and 2 different tickets for horoscope and biorhythm, if enabled.

Programming

6 = Options

- **Weight (Kg/Lb/St&Lb)**
- **Height (cm/Feet&inch)**
- **Lucky Numbers Setup**
- **Serial Num/Assistance**
- **Password**

Use this menu :

- to choose the measuring system you want to use for Weight and Height,
- to set-up the range and quantity of lucky numbers according to your lottery system,
- to program Serial Number of the machine and telephone number, that will be displayed along with some error messages,
- to program a password different from 1234. Be careful when doing this and write it down somewhere or you could be unable to access the scale later on. If you program a new password and you forget it here is NO master password to unlock it. You will have to return the board to us at your expenses.

7 – Advertising

Use this menu to program ticket header, max 4 lines.

Follow screen instructions but remember that once you press the star (*) you erase all the previous texts.

The systems is very similar to Cell phones and pressing the same key more times you get different characters.

If you press # you switch from CAPITAL to lower case, as shown on LCD by ABC or abc

Use 0 for SPACE.

You can use BOLD characters, max 16 per line. You can't mix normal and bold characters on the same line.

You can automatically center the text with the function key shown on display.

For a new line, press LF

You must insert 4 lines. If you don't want to program all 4 lines, use LF to finish.

Programming

TECHNICAL MENU

When you enter the MENU, type 999, you will enter TECHNICAL MENU that allows for easy calibration of weight and height.

1-Weight

Use this menu to adjust weight.

a-WITH NOTHING ON PLATFORM press ZERO.

b-Put a reference weight on platform (80 Kg is best, but even 10 Kg will work) and press set, input 0800 (or 0100 depending on the weight you put).

The scale is calibrated.

2 – Height

In order to do a proper adjustment you need a reference rod. Use 170 cm from the platform for optimum performance.

Enter the menu and press + or – until you read the correct height. Once you read a correct height the meter is calibrated.

Specifications

Specifications

Power Voltage: 115-230V 50/60Hz
Power consumption: 100VA max
Fuses: 1 x 2A, accessible from outside

Weighing system: Load cell
Division 100 g
Lowest measurable weight 5Kg
Maximum measurable weight 200Kg

Height meter specifications

Power voltage: 5 V
Power consumption: 200 ma
Measuring system Ultrasounds
Division 1 cm
Lowest measurable height 90 cm
Maximum measurable height 200 cm

Declaration of conformity



Manufacturer: DPS-Promatic srl
via Edison 21
47100 Forlì Italy

declares that the following

Product: People weighing machine
Type: Body Weight Style

Conforms to the following directives

EMC: Directive 89/336/EEC

Low voltage
reference standard : Directive 73/23
IEC CEI 62-5 January 1991

Forlì 20-02-2001

DPS-Promatic srl

Massima Portolani

A handwritten signature in black ink, appearing to be 'Massima Portolani', written over the printed name.

Edited on 4-07-2002

by the manufacturer:

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E-mail info@dps-promatic.com

This is revision 1.4
of
Body Weight Style
user manual

This manual will be updated
from time to time.

Please check latest versions on <http://www.bodyweight.net>