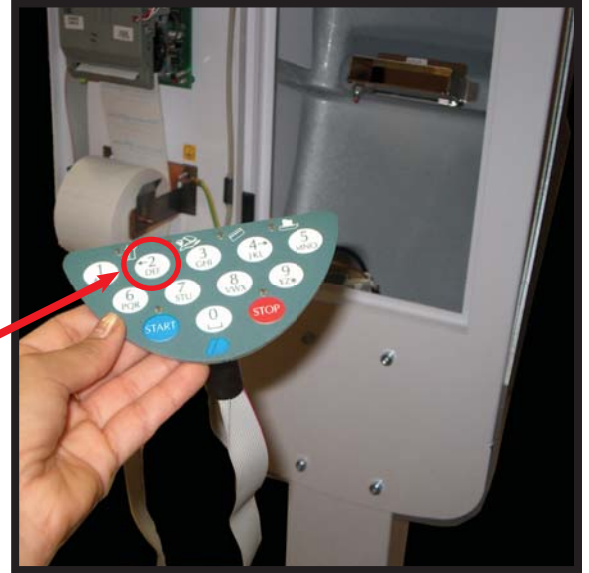


# BioMeasure Printer ON / Printer OFF Instructions

Access the <PROGRAMMING> menu through the following procedure :

- 1) Turn OFF BioMeasure Machine.
- 2) Open the Printer Access door on back of machine and take out the keypad.
- 3) Turn machine ON and after you hear the first beep, push the ② button four(4) times once for each beep.



"PROGRAMING DISTRIBUTOR" will briefly display on the screen. Following options will appear:

Press ⑥ to select more options.

1>ADJUST

2>TEST

6> →

Press ① to select <PROGRAM>.

1>PROGRAM

6> →

Press ② to select <FLAGS>.

1>CLOCK

2>FLAGS

6> →

Press ⑤ to scroll forward and a serie of options will appear. Keep pressing ⑤ until you find **PRINTER**.

HEIGHT

1>-

ON

5>+

Depending on the previous setting PRINTER will be on ON or OFF status.

PRINTER

1>-

ON

5>+

Press <START> to turn ON or OFF.

Press <STOP> and continue to press until system RESETS. **STEP BACK** from the machine.



**BIO MEASURE**<sup>®</sup>  
Youth Measuring System

**User's Manual**

rev: 0807

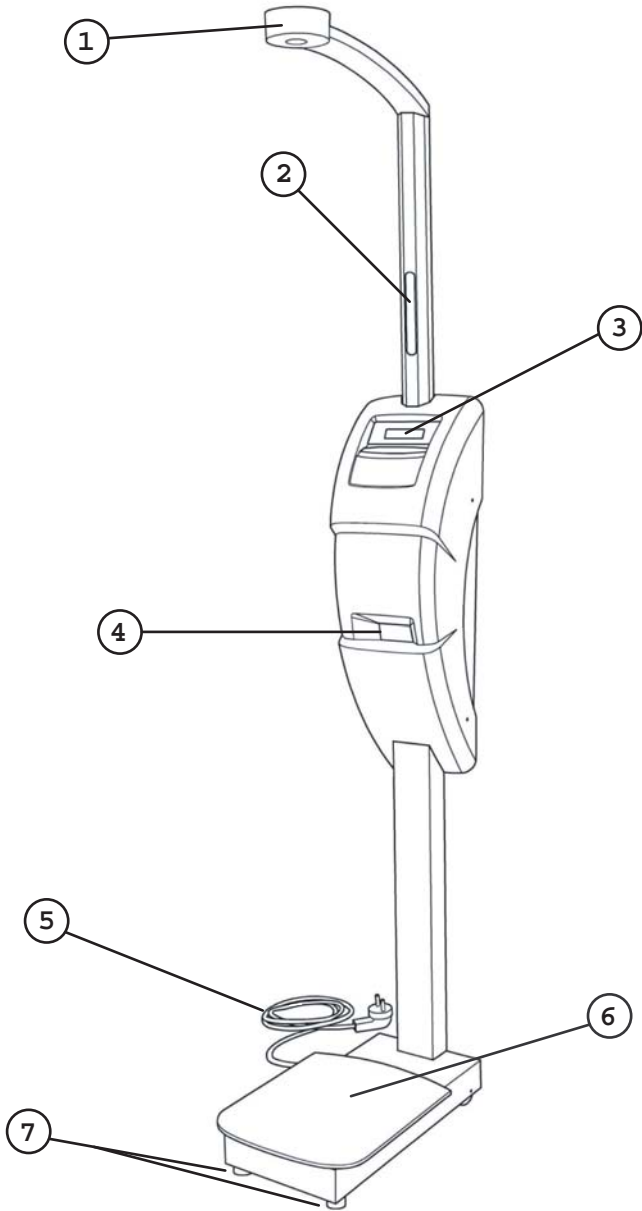
**GLENVIEW HEALTH SYSTEMS**  
**3050 North Lake Terrace**  
**Glenview, IL 60026**  
**(800) 724 · 4745**

# CONTENT

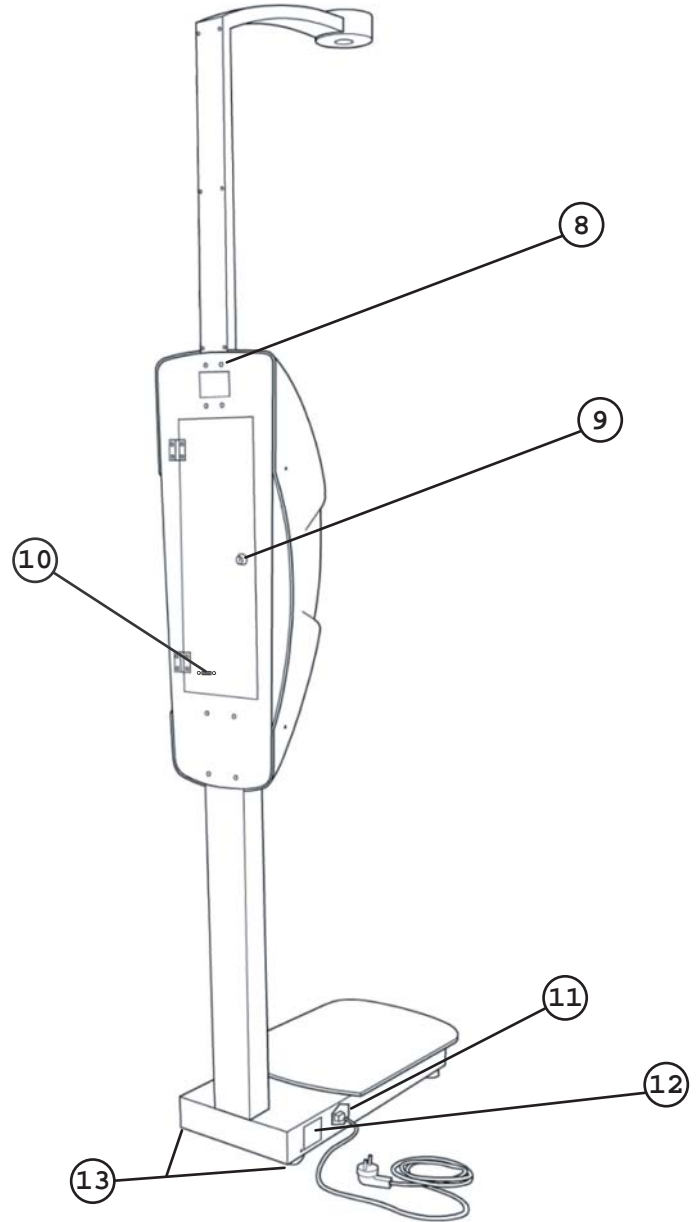
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# 1

# DESCRIPTION



- 1 ULTRASONIC HEIGHT SENSOR
- 2 HEIGHT SENSOR ARM
- 3 LCD DISPLAY
- 4 PRINTED TICKET SLOT
- 5 POWER CORD
- 6 PLATFORM
- 7 FOOT PAD POSITIONING BOLTS



- 8 HEIGHT SENSOR ARM ANCHOR BOLTS
- 9 PRINTER/CIRCUIT BOARD ACCESS DOOR
- 10 RS232 CABLE PORT
- 11 MACHINE POWER SWITCH
- 12 FUSES
- 13 CASTER WHEELS

Model: BioMeasure Fitness Measuring System - Youth Model

Digital display: LCD Graphics 240 x 64 pixels (127 x 34 mm)

Overall dimensions: 92 " H x 16" W x 26" D (233 x 40 x 66 cm)

Machine weight: 145 lbs (65.77 kg) approximate

Measurement ranges:

Weight - min/ 18 lbs - max/500 lbs in 0.2 lb increments  
(8.16 to 226.79 kg in 0.0907185 kg increments)

Height - min/27.5" - max/79" in 0.2" increments  
(69.85 to 200.66 cm in 0.0762 cm increments)

Measurement methods:

Weight - 500 lb (226.79 kg) load cell

Height - Ultrasonic Sensor

Power supply: 120 V ~ + 10% - 15% max/100 VA

Frequency: 50/60Hz

Power consumption: On standby, 10 W

In operation, max. 40 W

Operating temp & humidity - 50°F to 104°F (+10°C to +40°C) , 30% to 85% RH

Storage temp & humidity- -4°F to 140°F (-20°C to +60°C) , 10% to 95% RH

Printing: Thermal head 8 dots/mm. 384 dots/line

32 characters per line - Speed = 40mm/s

Paper end detection incorporates photoelectric cell

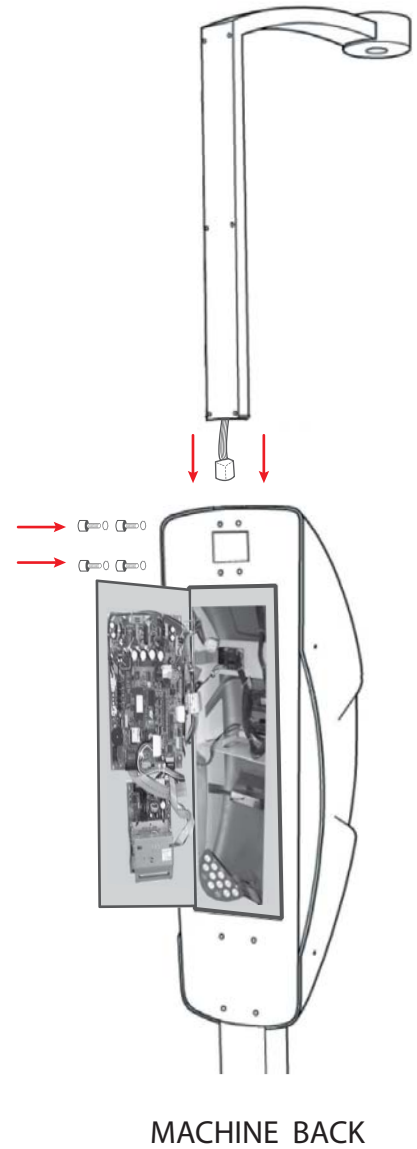
Paper dimensions: Thermal Roll 2<sup>1</sup>/<sub>4</sub>" x 3.5' - 1<sup>1</sup>/<sub>2</sub>" I.D. Core - 4<sup>1</sup>/<sub>8</sub>" O.D.

# 3

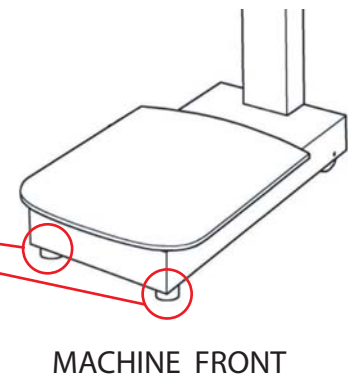
# INSTALLATION

## ▶ Assembly of Height Sensor Head:

1. Align height sensor arm and connector directly above machine. Guide height sensor connector through top of machine hole, then carefully insert arm into machine.
2. Holding height sensor arm securely in place, fasten (4) bolts and washers with a  $\frac{3}{16}$ " hex driver.
3. Once bolts are secure, assemble height sensor and machine connector plugs together.



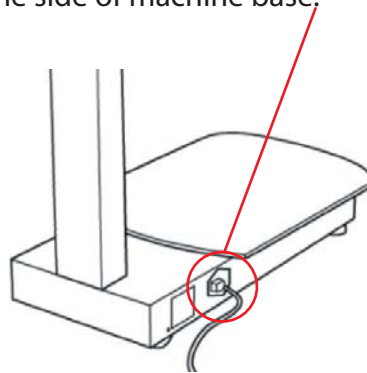
4. Adjust both (2) foot pad positioning bolts under front of platform to properly level machine. When user steps on to platform, there should be no shifting or rocking of the machine.



\*User should follow these steps to ensure accuracy of all readings.

▶ Maintaining accuracy and consistency during operation requires:

1. The machine must be located out of the vicinity of intense vibrations and sources of extreme hot and cold temperature.
2. The ultrasonic sensor in the head of the machine is extremely sensitive to external interference; such as fluorescent lights or video monitors. A minimum distance of three feet must be maintained in order to avoid machine inaccuracies.
3. The power cord can now be inserted into properly grounded outlet, the machine power switch is located on the side of machine base.



▶ Machine POWER ON:

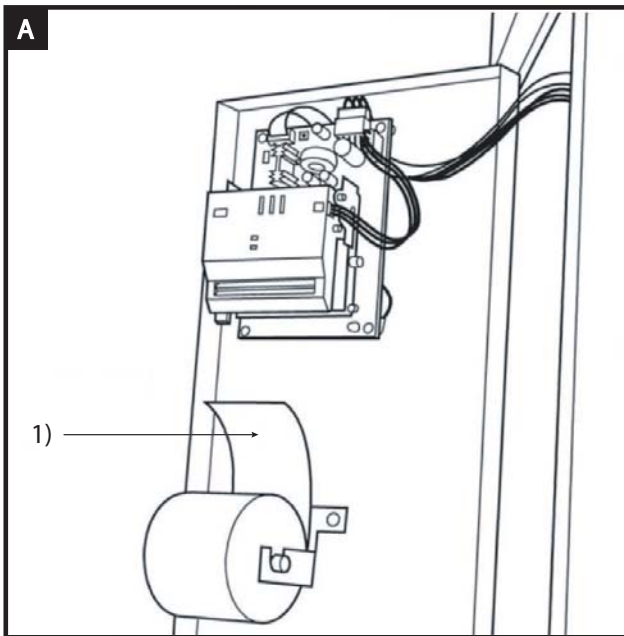
1. Plug the machine into a power socket but do not switch it on just yet.
2. Ensure there is nothing on the platform of the machine.
3. Switch on the machine by pressing the ON/OFF switch at the base of the machine.
4. The machine automatically calibrates itself, setting height and weight measuring systems to zero.
5. Step away from the machine. Do not disturb the machine while it is calibrating itself.

Note: If the calibration process is successful, the time and date will appear on the LCD screen when the auto test is complete.

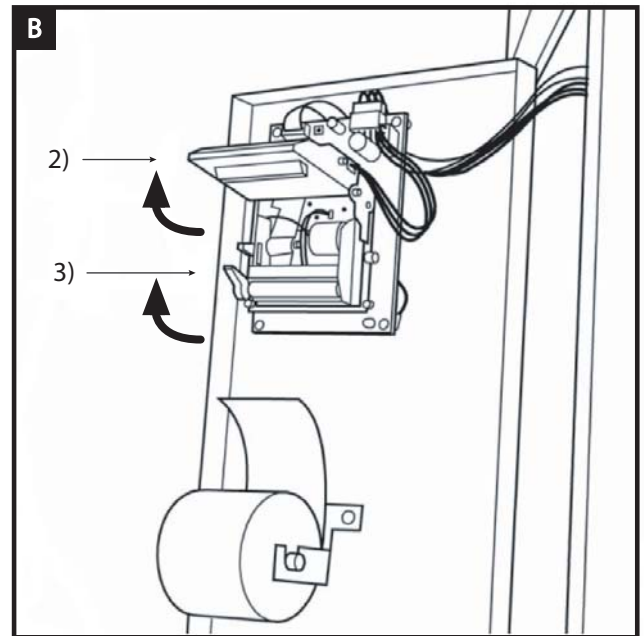
▶ Replacing paper roll:

When the machine runs out of paper, the following message will display - < OUT OF ORDER NO PAPER >

Push machine power switch to OFF position, open paper access door and follow this procedure -

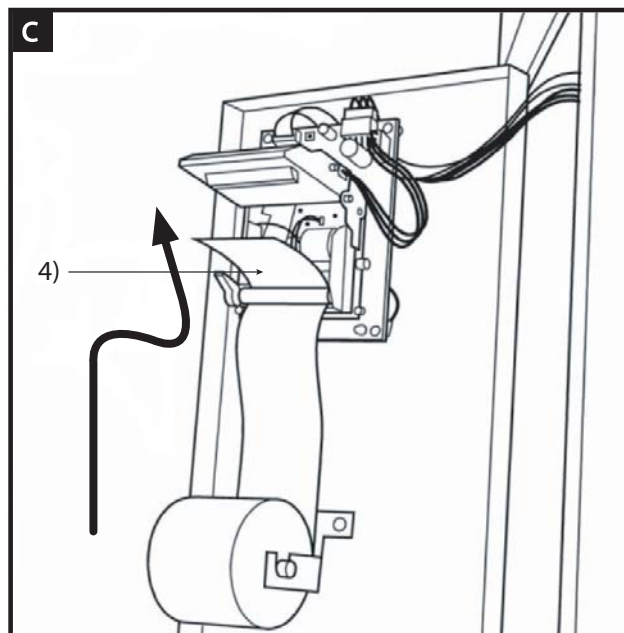


1) - Insert paper roll as illustrated.

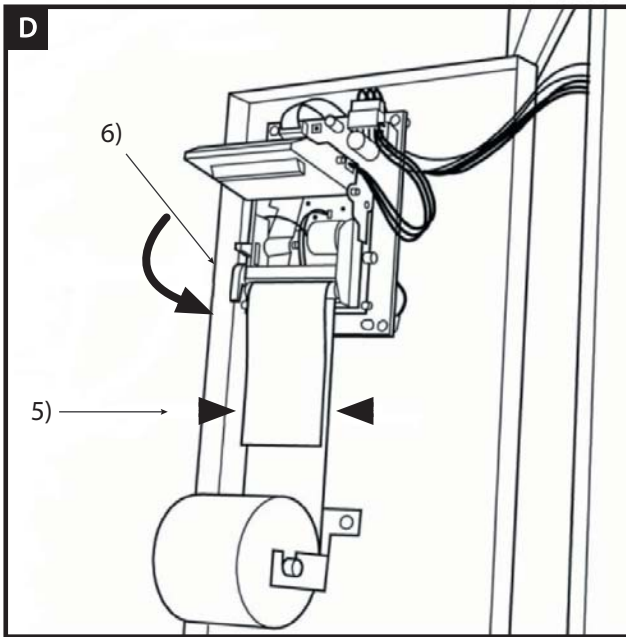


2) - Lift up cutter lid.

3) - Lift up green guide lock to open roller feed.

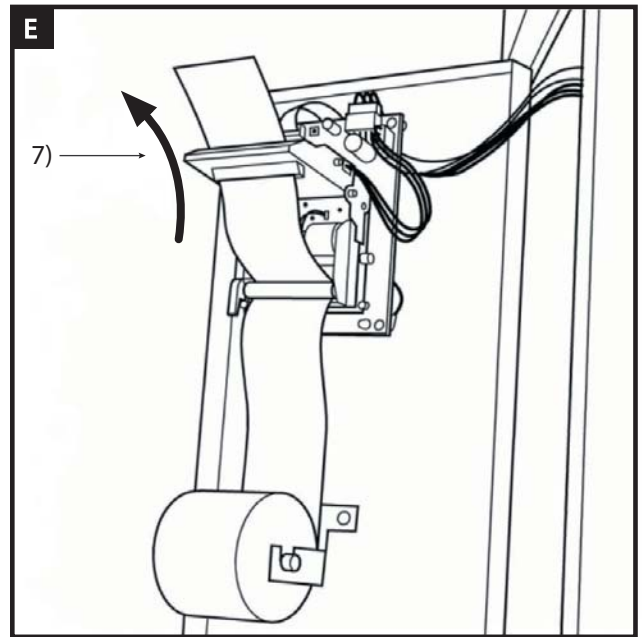


4) - Insert paper through roller feed as shown.

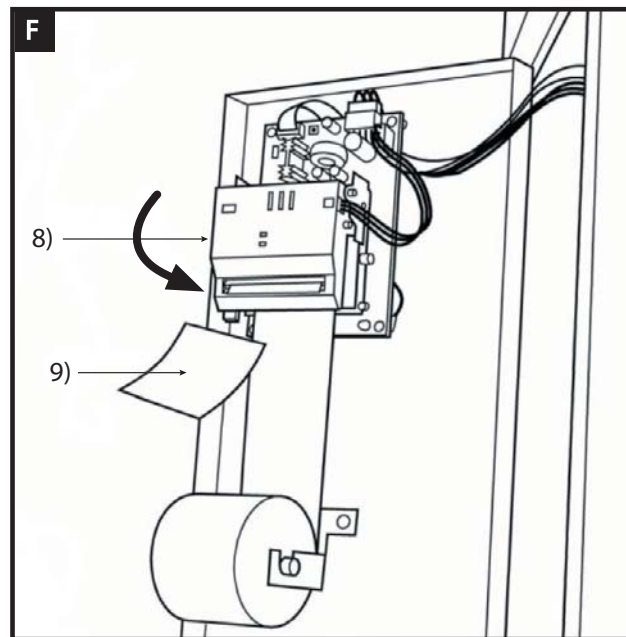


5) - Center end of paper.

6) - Push green guide lock down to secure paper.



7) - Insert paper through cutter lid as shown.



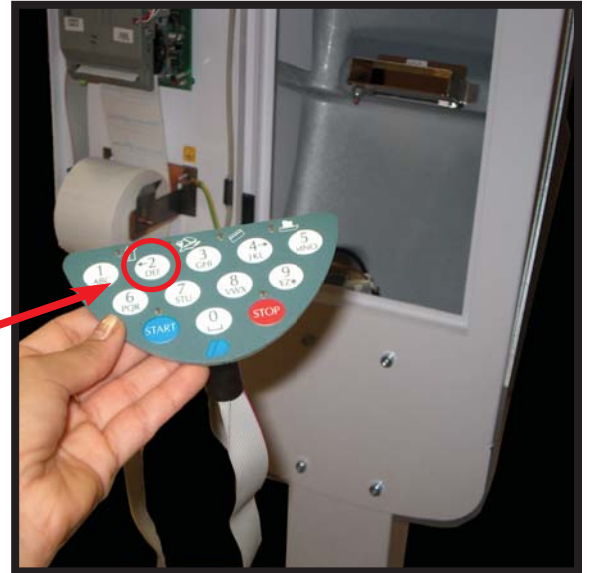
8) - Push down cutter lid.

9) - Tear off excess paper.

▶ Close paper access door and push machine power switch to ON position.

▶ Access the **>PROGRAMMING>** menu through the following procedure :

- 1) Push machine power switch to OFF position.
- 2) Push machine power switch to ON position.
- 3) When you hear the first beep push the ② button four(4) times repeatedly with each beep.



The following screen appears:

1>ADJUST  
2>TEST  
6> →

Press ⑥ to select more options.

▶ To program the system **Date and Time**

Press ⑥ for more options from the screen above, and select ① <PROGRAM>

1>PROGRAM  
6> →

1>CLOCK  
2>FLAGS  
6> →

Press ① button to select <CLOCK> option. The following text will appear: DD/MM/YY indicating the format in which the new date must be entered, inputting six digits total.

Example: 02 August 2007 = 020807

**Continued:**

The following text will appear to program the TIME - **HH:MM** indicating the format in which the new time must be entered, inputing four digits total.

Example: 3:35 PM = 0335

Press **<START>** button in the next screen and press **<STOP>** button twice to exit.

**▶ Programming Ticket**

Access the programming screen as shown on preview page (page 7). Press ⑥ for more options.

1>ADJUST  
2>TEST  
6> →

1>PROGRAM  
6> →

Press ① to select **<PROGRAM>**.

In the next screen press ⑥ until the following screen appears:

1>TICKET  
2>S/N  
6> →

Press ① to select **<TICKET>** option. The following screen appears:

1>TICKET CLASS  
2>PROGRAM

**Continued:**

From the previous menu the administrator can designate the amount of information printed on user's ticket. Press the ① button to select <TICKET CLASS> option. The following screen will appear.

1>STANDARD  
2>SHORT

The Standard option incorporates the full range of healthy recommendations, the short does not. Press ② from the previous menu to select the <PROGRAM> option.

The following screen will appear:

1>LINE = 1  
2>TYPE =

From this menu the administrator can designate what text will be printed on to the user's ticket. Specifically the header and footer of every reading will incorporate this text.

There are thirty available lines to program text on every ticket; five in the header and twenty-five in the bottom. There are four ideal character types; the fonts coded (1-4) are automatically centered across twenty-four available columns.

TYPE/CODE	DESCRIPTION	SAMPLE	CHARACTER LIMITS
1	Normal	A	24 character per line
2	Vertically Expanded	A	24 character per line
3	Horizontally Expanded	A	12 character per line
4	Double Expanded	A	12 character per line

**BioMeasure**

LINE 1  
LINE 2  
LINE 3  
LINE 4  
LINE 5

21:00 08/03/07

-----  
WEIGHT: 99.61b  
HEIGHT: 5' 1. 3"

-----  
B.M.I. 19

-----  
UNDERWEIGHT:  
BMI-for-age <5th perc.

AT RISK OF OVERWEIGHT:  
BMI-for-age 85th perc.  
to 95th perc.

OVERWEIGHTH  
BMI-for-age >95th perc.

-----  
LINE 7  
.  
.  
.  
.  
LINE 30



**BMI Table Activation:**

Go to the User Program menu (instructions on Page 7)

1>ADJUST  
2>TEST                      6> →

Press ⑥ to select more options. The following screen will appear:

1>PROGRAM                      6> →

Press ① to select <PROGRAM>. The following screen will appear:

1>CLOCK  
2>FLAGS                      6> →

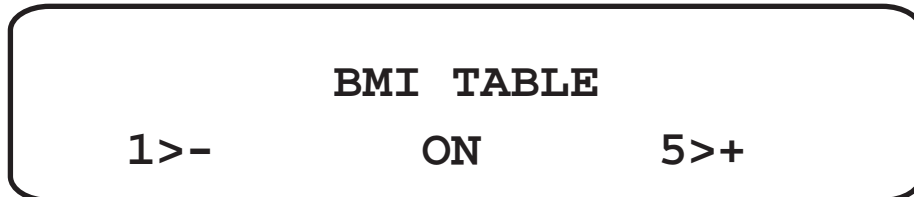
Press ② to select <FLAGS>. The following screen will appear:

   HEIGHT  
1>-                                      ON                                      5>+

Press ⑤ to find more options until you find <BMI TABLE> .

**Continued**

Press <**START**> to turn ON or OFF.



Press <**STOP**> to exit.

**Printer Activation:**

Go to the User Program menu (instructions on Page 7)



Press (6) to select more options. The following screen will appear:



Press (1) to select <**PROGRAM**>. The following screen will appear:



**Continued**

Press (2) to select <FLAGS>. The following screen will appear:



Press (5) to find more options until you find <PRINTER> .



Press <START> to turn ON or OFF.

Press <STOP> until exit

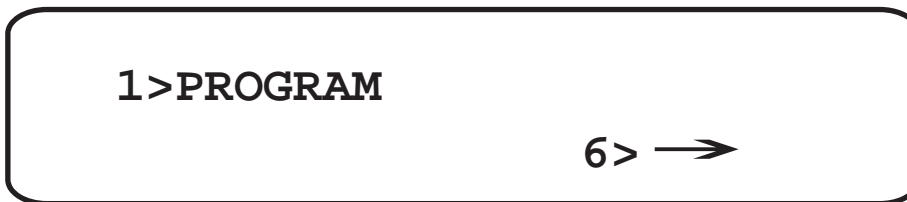
**▶ Adjust Height**

To adjust Height you will need to use the 1 Meter Gage that came with the Biomeasure package. To test if machine is correctly calibrated put gage on the platform and put a little weight to make scale detect pressure; it must show on the screen a measurement of **3' 3.3"**. If not, follow instructions below.

Access the User Program menu (instruction on Page 7).



Press ⑥ to select more options. The following screen will appear:



Press ① to select <PROGRAM>.

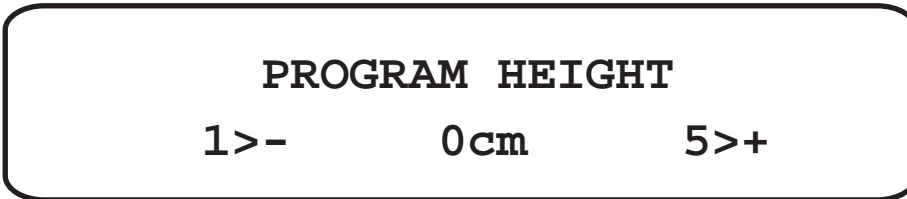
In the next screen, press ⑥ until you see the following screen:



Press ② to select <HEIGHT>. The following screen will appear:



## Continued



If the previous measurement of the gage was too low, increase the height by pressing (5) or (1) to decrease. Start just adding or decreasing by 1cm.

Press <START> to confirm. Press <STOP> until you exit.

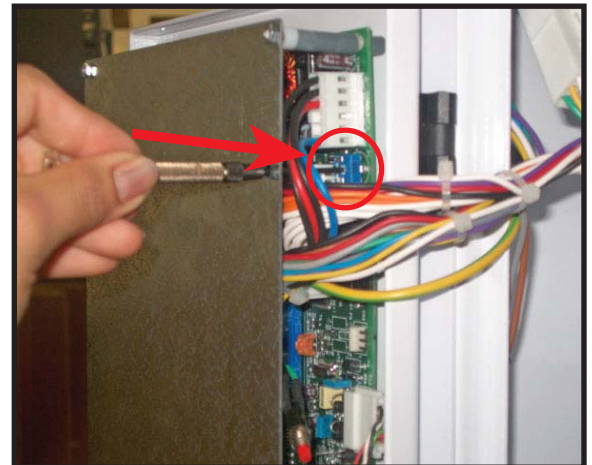
Measure the gage again to confirm accuracy.

### ▶ Adjust **Display Contrast**

To adjust the LCD Display Contrast

**IMPORTANT:** Machine power must be left On and the circuit board access door opened.

1) Locate LCD contrast control screen on the top right portion of the circuit.



\* The screw is white and has a blue base.

2) Using a small screw driver, adjust LCD contrast control screw to desired level.

With machine power switch ON, make adjustments accordingly.

CLOCKWISE = Darker Display

COUNTER-CLOCKWISE = Lighter Display

▶ Before telephoning the service help desk, examine the chart below for a possible cause of the problem you are experiencing. Some simple checks or minor adjustment on your part may eliminate and restore correct operation. If you are in doubt, or if the suggested solutions do not solve the problem, please contact the help desk using the telephone number shown on the back of the machine.

Problem	Possible Cause	Solution
The ticket is not printing.	The machine is out of paper. The paper roll has been fitted incorrectly.	Check that there is paper left in the machine. Replace with a new roll if necessary. Refer to paper replacement instructions.
The issued ticket is blank.	The paper roll has been fitted incorrectly or the wrong paper has been used.	The paper rolls for the machine are thermal paper and will only print on one side of the roll. Turn the paper around and take a print-out.
ERROR 05 - HEIGHT	Height sensor connector not plugged in to machine connector.	Check to make sure connectors are plugged in.

## Connecting the *BIOMEASURE* to your PC:

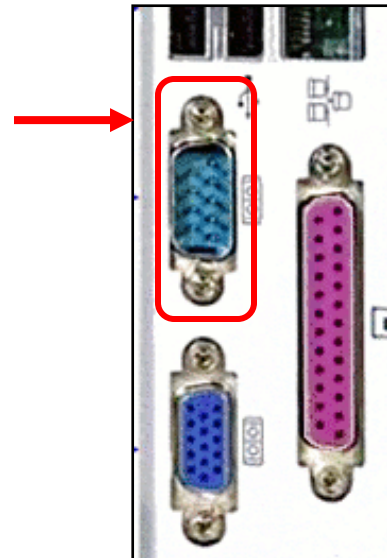
- Connect RS232 connector cable in your PC

### Missing this serial port?

In case you don't have this port on your PC,  
You need to an USB adapter.




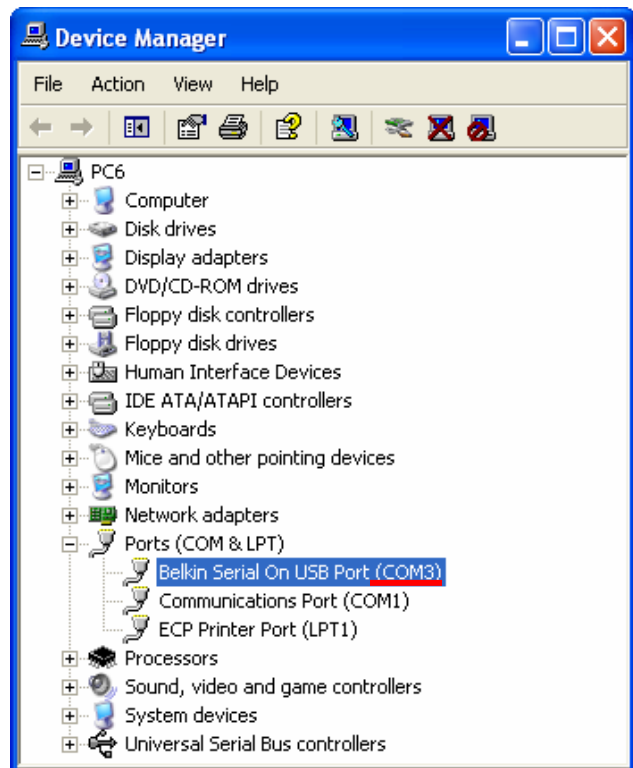
Follow instructions on the USB ADAPTER  
Installation manual

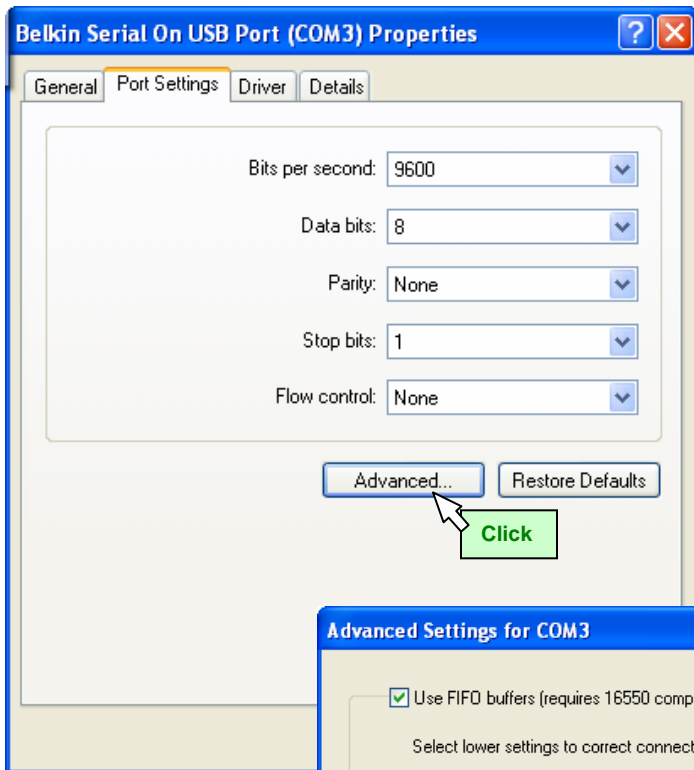


**IMPORTANT:** this ADAPTER will be assigned to next available COM port. If is necessary you will need to change the port number either in your Device Manager Settings or the ScaleData Application.

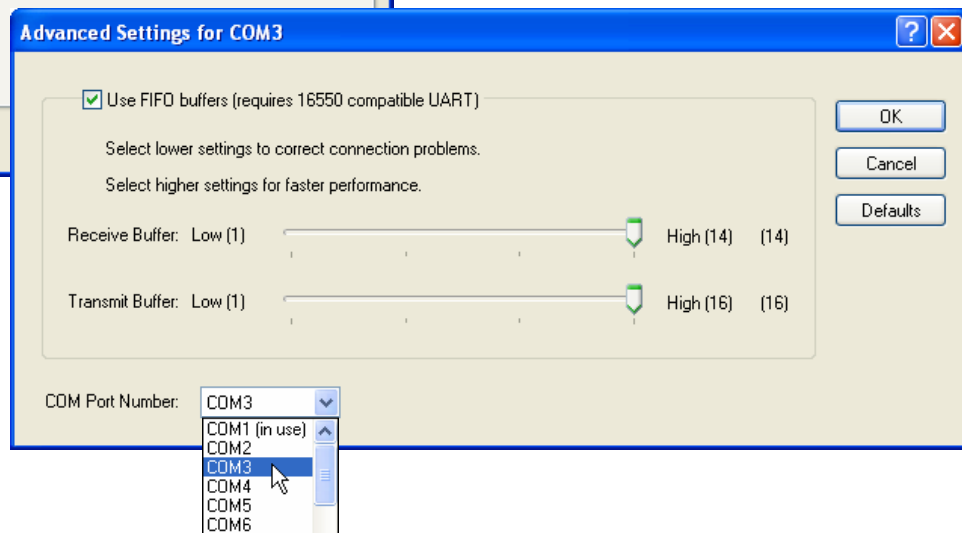
## To check which port number was assigned to your adapter follow this steps:

- Select **Control Panel** in your **START** menu.
- Double click on **System** Icon 
- Select **Hardware**
- Click on **Device Manager** button.
- If the adapter was installed correctly it will appear in the port list in your Device Manager window.
- Right Click on the adapter name.
- Click on **Properties**.
- Select **Port Settings** (see illustration next page)
- Click in the **Advance** Button.





In order to interact the Biomeasure with ScaleData application, the port number should be setup to any port number from COM1 to COM6.



- Install ScaleData Application.  
If you have this already installed, open it.
- On the bottom left corner select the same number port that was assigned to the USB adapter.

