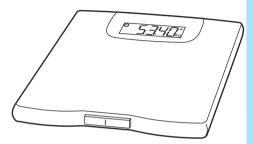


# **Instruction Manual**

# Precision Health Scale Model UC-321P



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#### **Precautions**

- ☐ Please read this booklet before using your scale.
- ☐ Place your scale on a solid level surface, such as tile, wood, or laminate flooring.
- ☐ Do not place your scale on a soft, wet or slippery floor. If the scale must be used on a carpet, be sure to attach the plastic add-on feet as shown on page 14.
- ☐ Your scale contains delicate, high-precision parts. Avoid extremes in temperature, humidity, direct sunlight, shock, moisture and dust.
- ☐ Do not step on your scale with your feet wet. Be sure that your feet are dry to prevent slipping and serious injury.
- ☐ Step on the center portion of your scale gently.
- ☐ Do not step on the display window.
- □ Do not open the case of the scale.
- ☐ Holding the measurement switch for extended periods will shorten battery life.







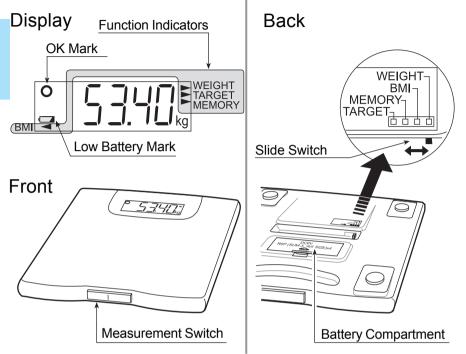
#### Indications for Use

☐ The UC-321P is designed for adult use at home.

### Compliance with European Directive

The scale complies with the statutory EMC (Electromagnetic Compatibility) directive 2004/ 108/EC. Note: The displayed value may be adversely affected under extreme electromagnetic influences.

# Scale Components



#### **Function**

□ The following four measurements can be selected by the **slide switch**.

WEIGHT	Refer to "Basic Measurement" and "Measuring a Baby or an Animal".  The function to measure your weight, the weight of a baby or animal.	
ВМІ	Refer to "BMI Indication". The BMI is a helpful indicator of body weight condition, in adults.	
MEMORY	Refer to "Memory Function".  Up to 31 weight data can be stored in memory. The difference from the previous result is displayed automatically.	
TARGET	Refer to "Target Function". The difference between the preset target weight and the current weight can be displayed.	

☐ The scale has an "automatic-power-off" function to turn the scale off after ten seconds of non-operation. Therefore, the scale has no off switch.

### **Display Symbols**

0	OK mark. This mark is displayed when the measurement display is stable.
	Low battery mark. If this mark is displayed, replace all four batteries with new ones.
<b>⋖</b> , ▶	Function indicators. The current function is indicated.

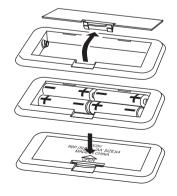
### Installing (or Replacing) Batteries

#### Caution

- ☐ Insert each battery with its positive (+) and negative (-) terminals properly aligned with the corresponding marks in the battery compartment.
- ☐ Improper installation of the batteries may cause battery leakage.
- □ Replace all four batteries with new ones, when the □ mark is displayed.
- Do not mix new and used batteries. It may cause damage to the scale or shorten battery life.
- □ When batteries are completely drained, the **□** mark is not displayed.
- ☐ The battery life is dependant upon the environmental temperature, battery type and usage.
- □ Remove the batteries from the battery compartment, when the scale is not to be used for a long time. They may leak and damage your scale.
- ☐ The accessory batteries may have a shorter life than new ones.

### Steps for Installing (or Replacing) Batteries

- 1 Remove the battery compartment cover on the underside of the scale by gently pushing on the arrow and lifting the cover backward.
- 2 Install four new batteries with the positive (+) and negative (-) terminals properly aligned with the corresponding marks in the battery compartment.
- 3 Replace the cover by sliding it into the compartment and gently pressing into place.



#### **Basic Measurement**

## Measuring Your Weight

#### 1 Set the slide switch to "WEIGHT".

#### 2 Press the measurement switch gently.

All display segments are indicated for several seconds. Then, 0.00 kg and the **O** mark are displayed.

#### 3 Step on your scale.

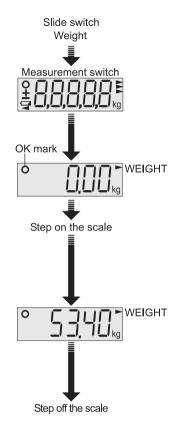
Step on your scale gently. When the O mark disappears, the measurement is started. Remain still during the measurement.

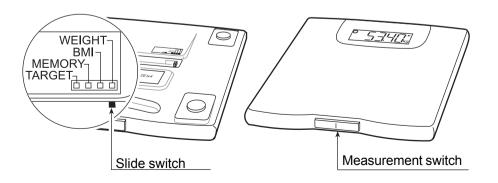
If 0.00 kg is displayed for approximately ten seconds, the scale is automatically turned off.

# 4 Your weight can be read after the O mark is displayed.

The scale is turned off automatically after approximately five seconds.

#### 5 Step off the scale.





### Measuring a Baby or an Animal

- 1 Set the slide switch to "WEIGHT".
- 2 Press the measurement switch gently and immediately step on your scale.

With all of the display segments indicated (several seconds) and before 0.00 kg appears, step on the scale without any baby or animal in your hands. Wait for 0.00 kg to appear.

- 3 Step off the scale and pick up the baby or animal, then step on the scale again. Within ten seconds after 0.00 kg and the O mark are displayed, step on your scale with the baby or animal. Remain still during the measurement until the O mark is displayed.
- 4 The weight of the baby or animal can be read after the O mark is displayed. The scale is turned off automatically after approximately five seconds.
- 5 Step off the scale.



### **Memory Function**

Up to 31 weight data can be stored in memory. The 32nd data is stored by deleting the oldest stored data. The difference from the previous result is displayed automatically.

### Storing a Current Weight.

- 1 Set the slide switch to "MEMORY".
- 2 Press the measurement switch gently.
  The last weight is displayed.

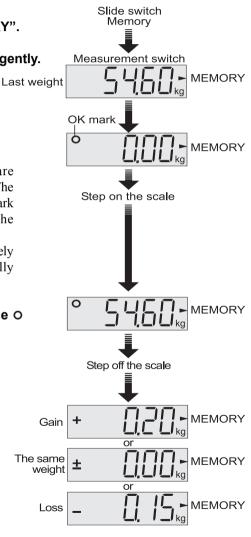
3 Step on your scale.

When 0.00 kg and the O mark are displayed, step on your scale gently. The measurement is started when the O mark disappears. Remain still during the measurement.

If 0.00 kg is displayed for approximately ten seconds, the scale is automatically turned off.

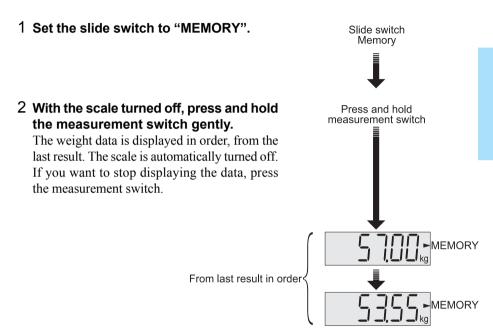
- 4 The weight can be read after the O mark is displayed.
- 5 Step off the scale.
- 6 The weight is stored in memory and the difference from the last weight is displayed.

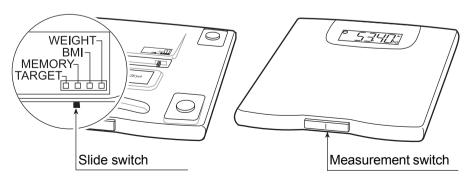
The weight data is stored in memory and the difference from the previous result is displayed for approximately five seconds. And the scale is automatically turned off.



### Displaying the Weight Data Stored in the Scale

The stored measurement data is displayed in order, beginning with the most recent measurement.





### **Target Function**

The difference between the preset target weight and the current weight can be displayed.

### Presetting a New Target Weight

- 1 Set the slide switch to "TARGET".
- 2 With the scale turned off, press and hold the measurement switch gently.

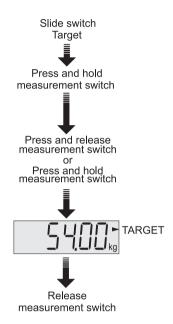
The preset target weight is displayed.

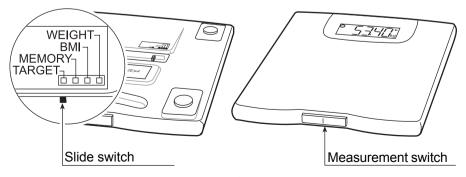
3 Using the measurement switch, set a new target weight.

Press and release the measurement switch to increase the value in increments of 0.1. Press and hold the measurement switch to increase the value continuously.

4 When the desired value is displayed, release the measurement switch to store it.

The scale is automatically turned off after the new target weight is displayed for approximately five seconds.





## Comparing a Current Weight with a Preset Target Weight

1 Set the slide switch to "TARGET".

2 Press the measurement switch gently.

The stored target weight is displayed.

3 Step on the scale.

When 0.00 kg and the O mark are displayed, step on your scale gently.

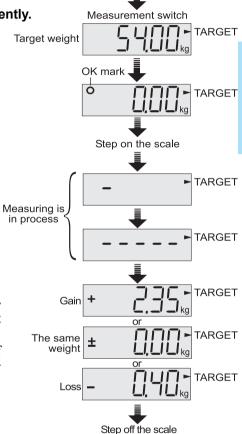
The measurement is started when the **O** mark disappears. Remain still during the measurement.

If 0.00 kg is displayed for approximately ten seconds, the scale is automatically turned off.

4 The difference between the preset target weight and the current weight is displayed.

The scale is automatically turned off after the difference is displayed for approximately five seconds.

5 Step off the scale.



Slide switch Target

### **BMI Indication**

#### **BMI**

Body Mass Index or BMI (kg/m²), based on an individual's height and weight, is a helpful indicator of underweight, overweight or obesity, in adults.

According to the new NHLBI (National Institutes of Health) guidelines, the BMI score is as indicated in the list.

Underweight	Below 18.5
Normal	18.5 to 24.9
Overweight	25.0 to 29.9
Obesity	30.0 and Above

$$BMI = \frac{\text{Weight (kg)}}{\text{Height (m) x Height (m)}}$$

# **Presetting Your Height**

Store your height before measuring your weight to calculate the BMI. The scale can store a height between 30 cm and 220 cm in increments of 0.1 cm.

- 1 Set the slide switch to "BMI".
- 2 With the scale turned off, press and hold the measurement switch gently.

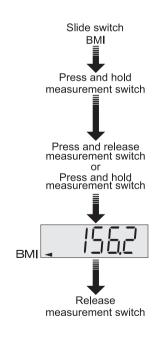
The preset height is displayed.

3 Using the measurement switch, set a new height.

Press and release the measurement switch to increase the value in increments of 0.1. Press and hold the measurement switch to increase the value continuously.

4 When the desired value is displayed, release the measurement switch to store it.

The scale is automatically turned off after the new height is displayed for approximately five seconds.



# Displaying the BMI Score

#### 1 Set the slide switch to "BMI".

2 Press the measurement switch gently. The preset height is displayed.

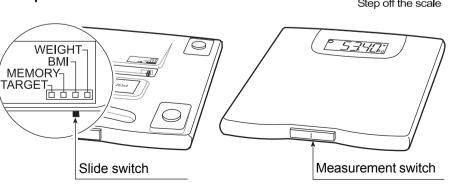
#### 3 Step on the scale.

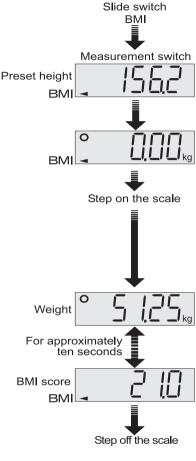
When 0.00 kg and the **O** mark are displayed, step on your scale gently. The measurement is started when the **O** mark disappears. Remain still during the measurement. If 0.00 kg is displayed for approximately ten seconds, the scale is automatically turned off.

# 4 The preset height and calculated BMI score are displayed alternately.

The scale is automatically turned off after the preset height and calculated BMI score are displayed for approximately ten seconds.

### 5 Step off the scale.





# **Tracking Your Weight with Your Personal Computer**

- □ The UC-321P can monitor your weight by recording the data to a personal computer and displaying the data on the computer display via the "Weight Diary" Windows™ software.
- ☐ You can track your weight data and BMI values on the personal computer display by graph or tabular format.

#### What You Need

- □ UC-321P Precision Personal Health Scale
- Connecting cable (included in the packaging)
- □ "Weight Diary" Windows™ software (included with the UC-321P)
- A personal computer with

Operating system: Windows 95 or later

Port: RS-232C port (9 pin)

Drive: CD-ROM drive

#### Note

 Please refer to the instruction manual of your personal computer for the location of the RS-232C port.

#### How to Connect the Cable

#### Caution

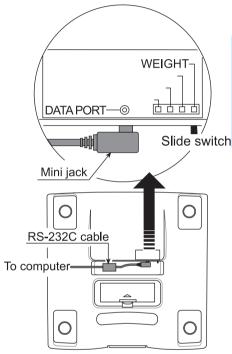
□ Be sure to turn off your personal computer before connecting the cable.

The DATA PORT is located on the bottom of the UC-321P unit as shown at the right.

- 1 Set the slide switch to "WEIGHT".
- 2 Insert the mini jack of the cable into the UC-321P DATA PORT.
- 3 Connect the other end of the cable (9 pin) to the RS-232C port of your computer.
- 4 Start your computer.

#### **Notes**

- Keep the cable straight and keep the feet of the UC-321P off the cable.
- Gathering the excess length of cable and putting it under the scale is not recommended. This can cause the UC-321P to give an inaccurate reading.



### Starting "Weight Diary" Software

- □ Run the Weight Diary from START/ PROGRAM/ Weight Diary/ Weight Diary.
- ☐ You will find the instruction manual and the Weight Diary Help Menu in the CD-ROM.

### **Measuring Your Weight on a Carpet**

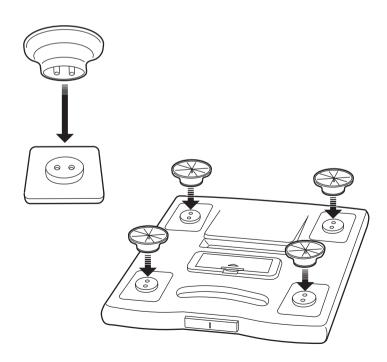
Place the scale on a solid level surface, such as tile, wood, or laminate flooring. If the scale must be used on a carpet, be sure to attach the plastic add-on feet.

### Steps for Attaching the Add-on Feet

- 1 Each add-on foot has two pins. Match those pins to the holes on the scale leg and insert firmly.
- 2 Attach the add-on feet to all four legs.

#### Notes

- □ Please be careful not to fall when using the add-on feet.
- ☐ We recommend using this scale on a solid and level surface.



### **Specifications**

Digital display Liquid crystal display, 25 mm character height

Maximum capacity 150 kg Minimum display 0.05 kg

Power source Four type AA batteries (R6P, 1.5 volt x 4)
Battery life Approximately 2000 measurements

Accessories Instruction manual, Add-on feet (4), Batteries (4),

Connecting cable,

CD-ROM "Weight Diary" Windows™ software

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

# **Maintaining the Scale**

- □ Clean the scale with a dry, soft cloth or a cloth moistened with water and a mild detergent. Never use alcohol, benzene, thinner or other harsh chemicals to clean the scale.
- □ Remove the batteries, if the scale is not going to be used for a long time.

# **Before Requesting Service**

If this happens	Please do this
Nothing is displayed by pressing the measurement switch.	Check the battery installation. Replace with four new batteries.
The indication is fixed to 88888.	Remove and reinstall the batteries.
The difference between an estimated weight and a measured weight is bigger.	Move your scale to a flat, solid surface.  Does the scale bottom touch the floor?
E-□ is displayed.	Replace the batteries and try again.

If you can not locate and fix the problem, contact your supplier, or the A&D service group. The A&D service group will support authorized suppliers about technical information, spare parts and units.



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