

User's Manual for CryoStamp

Features

1. Application

This device applies the cooling stimulus and heating stimulus to the skin and is combination beauty equipment aimed for helping manage the cosmetics well by applying the bio-current like micro-current and low voltage stimuli.

2. Specifications and Components

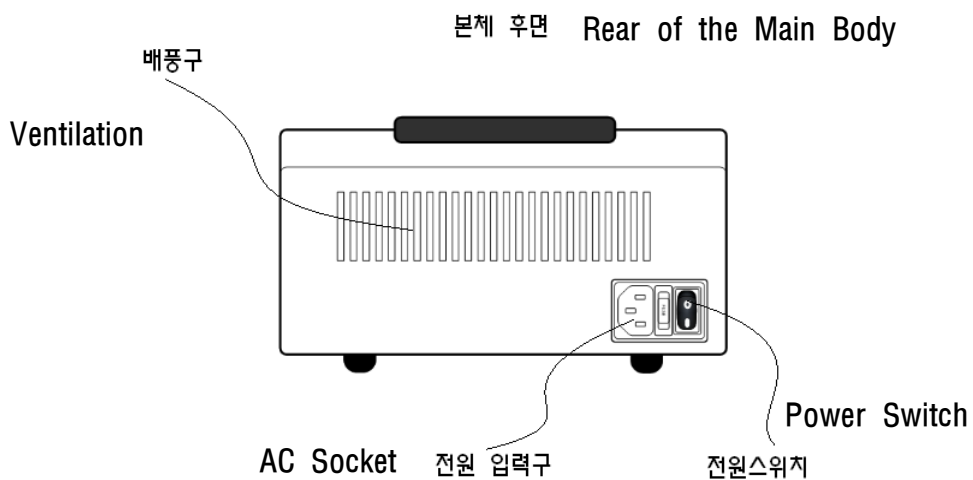


- 1) Low Tension Polarity Pad : Length 1,400mm
- 2) Power Cord Length : 3,000mm
- 3) Dimensions : 390mm×285mm×116mm[W×D×H]
- 4) Length of Hand Probe : 1,600mm
- 5) Weight : 5kg

Instructions for CryoStamp

1. Preparations before Use

- (1) Check if the power switch is OFF and then connect the power cord.
 - (2) Check the cooling/heating catheter electrode of the main unit and main unit for the foreign substances and clean them up, if any.
 - (3) Check if the components are properly connected.
- When using a pad, connect to the connecting socket on the side.





2. Switching Power ON

- (1) Connect the power cord which is on the rear. (AC 100V ~ 220V, 50Hz ~ 60Hz)
- (2) Press the power switch to switch the power ON.
- (3) After the buzzer beeps three times, the Display is shown as below.
 ---> It must be displayed without blinking.

However, if the LED around the Intensity Control Knob in the center blinks, all of the Input Keys (^, F, v) do not activate and the equipment stops. In that case, rotate the Intensity Control Knob counterclockwise until it clicks and the blinking will stop.

---> This situation is the function of Auto Zero Start for the safety of the equipment, which is not out of order.

- Touch-type Input Keys are positioned under the Intensity Control Knob.





3. LCD Display

(1) If the power is switched ON, basically the default value will be displayed on the Display. The default value cannot be changed and is displayed whenever the power is switched ON.

Temperature -05°C

Time 15 Minute

Mode MC

Polarity ⊖

Intensity All level displays are OFF

(2) Setting Function Range

Temperature -15°C ~ 20°C (automatically displayed as 'Cool')

21°C ~ 29°C Range that is not used

30°C ~ 40°C (automatically displayed as 'Hot')

Time 0 ~ 60 min.

Mode MC or LF

Polarity ⊖ or ⊕

Intensity 24-step level display

4. Input Touch Key



There are 3 kinds of keys in the Input Touch Key. Slightly touch the key of the mode desired and the value will be input.



(1) Setting Temperature

Touch  to make the letters of 'Temperature' blink.

Touch  ,  to adjust the temperature to the desired value.

(2) Setting Time

Touch  to make the letters of 'Time' blink.

Touch  ,  to adjust the time to the desired value.

(3) Setting Mode

Touch  to make the letters of 'Mode' blink.

If  is touched, the mode is set to MC.

If  is touched, the mode is set to LF.



(4) Setting Polarity

Touch  to make the letters of 'Polarity' blink.



If  is touched, the mode is set to ⊖.

If  is touched in the mode is set to \oplus .

(5) Storing the Set Value

In order to store the Temperature and Time changed at (1) and (2) above, press  and  keys simultaneously and then a beep sounds once a second. If they are touched for over 3 seconds and then released, the set value shall be stored and can be used repeatedly afterwards. The value does not change even when the power is OFF.

(6) Accessing the Stored Value

In order to access the value stored, press  and  keys simultaneously and then a beep sounds once a second. If they are touched for over 3 seconds and then released, the user can access the stored value and, if touched again, the value will be changed to the default value. The stored and default values are displayed in turn repeatedly every time the keys are pressed.

5. Descriptions of Each Function

(1) Temperature

The temperature is basically set at -05°C as the default value which is most normally used, and the user can adjust the temperature before using. If the changed temperature is not stored at this time, the value will be lost after a cosmetic procedure or a treatment. The storing method is explained in the 'Storing in the Set Value.'

(2) Time :

The Time is set in minutes and basically set at 15 minutes as the default value which is mostly normal duration of a procedure and the user can adjust the time before using. If the changed time is not stored at this time, the value will be lost after a cosmetic procedure or a treatment. The storing method is explained in the 'Storing in the Set Value.'

(3) Pulse Form Mode :

There are two pulse form modes of MC and LF.
The MC mode applies the micro-current to the human body and helps the ionized solution to be absorbed well into the skin. (max. current: 100uA)

The LF mode performs the function to help the ionized solution to be absorbed well into the skin by applying the pulse modulated low-voltage (max. voltage: 5-volt) to the human body. (The intensity becomes stronger as it gets closer toward 100%. As there are differences in the electric irritability according to the human body, a special caution is required to prevent the electric shock.)

(4) Polarity :

There are two polarities of \ominus and \oplus .

When using \ominus polarity, the polarity for the hand probe is \ominus and for the pad is \oplus when with the product of which solution is ionized in \ominus polarity. (Most of the cosmetics are \ominus polarity.)

When using \oplus polarity, the polarity for the hand probe is \oplus and for the pad is \ominus when used with the product of which solution is ionized in \oplus polarity.

Selection of polarity can be used only for the electric stimuli of MC and LF modes and they function only when the pad is connected. That is, the selections of mode and polarity do not work when the pad is disconnected.

6. Operation

(1) Operation by the Preset Value Stored

If the power is switched ON, the screen displays the default values. If the Intensity Control Knob is turned on immediately at this time, the equipment does not work. Be sure to touch the F key to change to the stored value and one of the functioning letters shall blink. If the Intensity Control Knob is set to ON position in this status, the equipment starts operating.

(2) Operation by the Default Value

Before turning on the Intensity Control Knob for the operation by the setting value, follow the Accessing the Stored Value of the above 4-(6) to access the default value and the turn on the Intensity Control Knob to operate the equipment.

(3) Operation by the Changed Value

To run the equipment only one time by the changed value, set the value in the Input Touch Key of the 4 and the turn on the Intensity Control Knob to operate the equipment.

(4) Repeated Operation

In order to repeat the above (1), (2) and (3), turn off the Intensity Control Knob after the operation is over and the value shall disappear to be changed to the stored value.

7. Completion of Operation

If the preset time is over, the time display shows 00 and the buzzer signalling the end beeps 5 times and all outputs are stopped with the LED around the Intensity Control Knob blinks. If the Lever is turned OFF, the blinking stops.

8. Warning for Malfunction

If the temperature gets too high enough to cause the burn or something hazardous during operation, the equipment stops operating to prevent the safety accidents, the buzzer beeps and the LED around the Intensity Control Knob keeps blinking. At this time, turn off the Intensity Control Knob and, after stopping the equipment about for 10 minutes for its stabilization, re-operate the equipment. (if the problems continue afterwards, call for a qualified engineer for the safety check.)

9. Cautions for Operation

① Customers should not be connected, in any case, to the grounded part that the current might flow.

② Do not use this equipment for the customer who is wearing a pacemaker.

③ Do not use this equipment for a cancer patient or a patient with a similar disease.

④ The equipment should be used only by the person who received the specialized training.

⑤ Be careful of the followings in process of operating the equipment.

- Check if anything abnormal with the customer or the equipment is found during operation.

- If anything wrong with the customer or the equipment is found, stop operating the equipment and check the customer's safety. Re-start operating the equipment only when there is no disorder after checking up the status of the customer and the equipment.