Installation of base plate

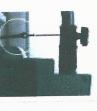






After unpacking the product, lay it on its back and fasten the base plate with the screws enclosed.

Fixing the lamp shade







- Fix the lamp shade with the pin when you use the equipment
- ► If you want to remove the pin, lift up the shade a bit to pull it out.



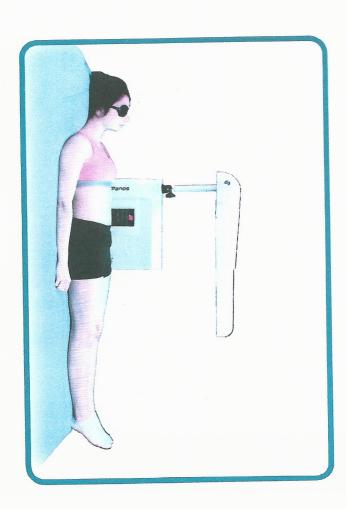
SEMYEONG BIOTECH CO.

www.panos.co.kr

B1,3F Seongseo B/D 323, Seongseodong-ro Dalseo-gu Daegu, Korea



USER'S MANUAL



UV Irradiator (KPA-01,KPA-02)



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1.Description of the Product

1.1General Information

This medical equipment is an instrument for treating skin disease by applying ultraviolet rays of fluorescent UV lamp. Three fluorescent UV lamps that irradiate the ultraviolet wavelength of 309nm are installed at the top of the equipment and the patient can be treated on a fixed type bed or on a mobile type bed.

Composition

UV irradiator is composed of main body, light source (ballast, fluorescent UV lamp), power source, controller and power cable.

>How to work

AC voltage supplied from power source is input into the fluorescent UV lamp through lamp ballast to produce light. (You can set the rradiation time at 5, 10, 20 minutes)

Purpose of use or efficacy and effectiveness It is used for the treatment of skin disease by means of irradiation of UV rays.

1.2Product Features

- *Rated type of protection and degree of protection: 1st degree, BF
- *How to operate
- 1)Switch on power

Power comes on the controlling parts (switch for irradiation time, light

source device, buzzer)
2)Control the irradiation time switch (5, 10, 20 minutes)
2)Control the irradiation time, he should set the lif the operator determines the irradiation time, he should set the by adjusting the time switch (5, 10, 20 minutes)
by adjusting the time switch (5, 10, 20 minutes)
3)Buzzer starts to sound when the irradiation is finished.
You must switch "off" power when you hear the buzzer sound.
*Electric Rating: 220-230 VAC, 50/60Hz, 70W

*Safety Devices

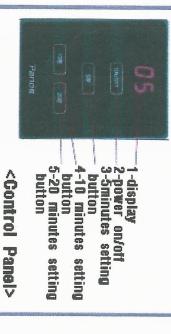
-Buzzer sound when operation is completed.
-Fuse works to cut off power in case of overload

-Power is cut off by circuit breaker in case of overcurrent -No output will be made if you cut off power during operation and resume the operation.

2.Appearance and Structure

2. Tappearance and structure





It supplies power	Power source	4
leakage		
put or cut off power and guard against electric		
It controls the ura diation time and functions to	Control Panel	ذیا
ballast and UV lamp inside.		
It is the lighting fixture that contains electronic	Light source	13
functions to adjust the height of irradiation		
It fixes the lighting devices on the top and		
function for safety (against overturning).		
and withstand their load and has protective		
It contains ballast, power source, control panel	Mainbody	<u></u>
Function	Name	No.

	Ų		4		ديا	H	-	No.
	20 minutes		10 minutes		5 minutes	Power ON/OFF	Display	Name
minutes	It is used to set the irradiation time at 20	minutes	It is used to set the irradiation time at 10	minutes	It is used to set the irradiation time at 5	It switches on or off power of UV irradiator	It displays the setting time etc	Function

3.How to operate/use the equipment

3.1 Description of Control Panel





UVJamp





It is used to select 1st level of UV lamp (on/offbutton)	(for I st level selection)	1
button)		
level of UV lamp (on/off	(for 2nd/3rd level selection)	
It is used to select 2nd or 3rd	UV lamp ON/OFF button	Q/
time at 20 minutes	(for setting 20 minutes)	
It is used to set the irradiation	Operating time setting button	Ų,
time at 10 minutes	(for setting 10 minutes)	
It is used to set the inadiation	Operating time setting button	4
time at 5 minutes	(for setting 5 minutes)	
It is used to set the irradiation	Operating time setting button	دیا
UV irradiator		
It switches on or off power of	Power ON/OFF	2
It displays the setting time etc	Display	<u> </u>
Function	Name	No.

3.2 Preparations before use

- -Check the socket outlet to ensure that the right voltage is supplied
- Insert the plug d power cord into the socket outlet
 Fix the equipment so that it does not move during operation
 Doctor is supposed to determine the volume of UV irradiation
 (by controlling the time) depending upon the symptoms of the
- patients

 -Patient should expose only those areas to be treated and cover the other part o his body with cloth etc. Patient is supposed to wear protective goggle (eye glasses for UV cut)

3.3 How to use/operate

(1)Switch on power cord into the socket outlet before you switch on power

(2)Select irradiation time and start to irradiate
-Control the irradiation time switch (selection of 5, 10, 20 minutes)
-Irradiation starts and when the buzzer sounds, irradiation is finished

3.4 How to store and mange after use

the cover that holds the lamp and remove the protective cover. And turn the socket to remove the -Change of fluorescent lamp: unfasten the screws of degreecent lamp.

Hemove the stains etc of the main body with anti-

static cloth or general detergent.

Check the condition and connection of the fluorescent

cleaning because inappropriate solution may cause -Do not use alcoholic solution like ethyl alcohol etc for lamp when you store it after use. lamage.

3.5 Procautions

(1)Unskilled staffs are not allowed to operate the equipment.
(2)Patient or any other users must wear goggle for UV cut.
(3)Pay attention to the followings when you install the equipment -Avoid wet area. Pay attention to the safety factors such as

vibration, shock etc.

stored or gases are being produced. -Do not install the equipment at the place where chemicals are

Check whether voltage and frequency is correct and also pay

attention to power consumption

(4)Be careful of the followings before you start to use -Check the contact of switches and confirm the equipment is

working normally.

when the exact diagnosis is made and risks are not existent.

-Recheck the external circuit that directly contacts the patient. -Make sure that all the cords are safely and firmly connected -Combined use with other equipments should be allowed only

(5)Always pay attention to the followings during operation—Make irradiation from the designated place all the time.

-Make sure of the time and volume of irradiation for treatment—Irradiation should be made only to those spots to be treated—and other parts should be protected from UV rays.

-Immediately stop the irradiation when you find hypersensitivity reaction to UV irradiation(erythema) and follow the doctor's INSTRUCTION.

Patient is not allowed to use without authorization

(6)Pay attention to the followings after the use of the equipment
-Do not pull out the plug forcibly
-Pay attention to the followings when you store the equipment.

Opport store the equipment at a wet place

OPlace the equipment at a place where the air is not adversely affected by atmospheric pressure, temperature, ventilation, dust, wind, salt and stains etc.

400on" t place the equipment at a place where chemicals are kept or @Be careful of inclination, vibration, shock etc.

gases are being produced.

(7)In case of failures of the equipment, please mark the failing part properly and contact the technical staff for repair.

(8)Do not modify the equipment without authorization

(9)Precautions to be taken for the operation of UV irradiato -Use the equipment in accordance with a doctor's prescription and

-Do not use the equipment for other purposes than the treatment of SKIN DISCASE INSTRUCTION

-Excessive exposure to UV rays can result in skin burns -Continuous exposure to sunlight or UV ray generated by

melanoma) as well as permanent skin aging -Young persons under the age of 19 should consult the doctor first equipments may cause skin cancers (cutaneous melanoma, ocular

-Following persons should pay more attention to the use of UV rays because of higher risk of side effect and danger Defore use

*Person with lots of warts

*Person who are susceptible to freckles

*Person who

*Person who suffers burns easily when exposed to sunlight
*Person who already suffered burns by sunlight
*Person who is suffering from skin cancer or has a higher risk of skin cancer

*Person who is sensitive to UV or who is using the cosmetics that are sensitive to UV

Precautions to be taken before you use UV irradiator
*Always wear protective glasses that are provided with the equipment
*Remove make-up and do not apply sun screen prior to exposure to "Wait for 48 hours before you are exposed to UV irradiation for the

Second time.

-Sunbathing and UV treatment should not happen on the same day -Follow the instructions on exposure time, interval of exposure and the -Consult a doctor if you have persistent turnor or pain or if the color of the spot treated changes distance from the lamp



*Store the equipment at a place where its light source is not affected by atmospheric pressure, temperature, humidity, sunlight, dust or by the air that contains salinity and ion

Environment for storage: Keep it at room temperature

*Store the equipment at a place where there are no inclination, vibration and shock.

*Avoid such a place where chemicals are stored or gases are being produced.

5. Maintenance and Inspection

"Switch off power after use and pull out the power plug when it is not used for a long time.

*Use a soft, dry cloth for cleaning. *Do not dip the main body or cable in the liquid or detergent

*Please stop using the equipment and contact us when you find the equipment is old or damaged while doing maintenance or inspection.

6.Performance and Purpose of

6.1 Performance

*Electric performance

ت الله الله Frequency: 50/60Hz

Power consumption: 70W

UV wavelength: 309nm

UV output: UVB(309nm):10 "W/cm" at 20cm

6)Setting time: 5, 10, 20 minutes
7)Weight and dimension
Size: Length 340mm x Width 210mm x Height 473mm
Weight: 9kg
*Type and degree of protection against electric shock: 1st
degree, BF type mounting

6.2 Purpose of use: of skin disease An equipment used for the treatment

7.Introduction to our Warranty Policy

7.1 Free service *Free service is available for one year from the date of purchase

7.2 Paid service

Never fail to read the followings before use -When you do not follow the precautionary instructions for use and -Failures by the act of God (thunder, fire, storm & flood, gas, sea water, earthquake etc)
When foreign matters (water, drink, toy etc) got into the equipment installation

-Loss, repair or damage due to the unauthorized disassembly -Faults resulting from repair or modification by other persons than the special technician. -Use of wrong voltage

When you do not abide by the correct way of use or safety

Consumable parts that are subject to normal wear and tear (including UV lamp) nstructions

-Failures caused by the use of other parts or consumables than the

When the warranty expired

7.3 Purchase of consumables "Contact A/S team (Tel: 070-7887-7431) to buy those consumables that are subject to normal wear and tear

Information

- B1,3F Seongseo B/D 323, Seongseodong-ro Dalseo-gu Daegu, Korea Name and address of the manufacturer: SEMYEONG BIOTECH
- Name of Product, Model: UV irradiator, PANOS KPA-01 KPA-02
 Product Permit No.: 10-1242 (KPA-01), 11-308(KPA-02)
 Serial number and date of manufacturing: written on the
- back of the main body
- Packing unit: one set
- Purpose of use: equip0-ment for the treatment of skin disease
- ◆Storage: to be stored at room temperature ◆How to operate/use and precautions: refer manual to the user's
- degree, BF type equipment
 Rating: AC220-230V, 50/60Hz, 70W(KPA-01), 45W(KPA-02)
 Fel No. of A/S team: +82-70-7887-7500 Type and degree of protection against electric shock: 1st
- "Our product is medical equipment"

AOH to do irradiation

- ►Apply 2~3 times per week
- Keep a proper distance when doing irradiation (50~70cm from the lamp)
- Do irradiation directly to the spot to be treated in case of skin disease
- ►For the first irradiation, we recommend 5 minutes for children aged 10 or under, 10 minutes for persons aged 20 or under and 20 minutes for adults
- Change the lighting gradually from 1st-2nd-3rd degree inereatter.

WARRANTY

Contents of Service Quality Warranty

Steps to be taken for the product A/S

- 1. Our product is manufactured under a strict quality control and inspection process.
- 2.If you have problems or inquiries, you can call our A/S team.

 A/S team Tel +82-70-7887-7500

 3.After discussion over phone, please send the product through LOGEN delivery service, the company with whom we are in cooperation.

 If you use other delivery service companies than LOGEN on freight collect, the delivery can be rejected.

Issues related with

- 1. Warranty is applicable only to those products whose initial defects are found within one week (7 days) from the receipt of the same. (defective or poor quality hardware)
 2. Fill in the following format and send it together with the
- product.

Responsibility for A/S expenses

- 1.45 is available free of charge for one year in principle.
 2.Any costs incurred by the act of God or the customer's defaults should be paid by the customer.
 3.In case of consumables, they cannot be returned but can be changed if request for A/S is made within one week(7 days)

ISSUES related with product return

1.A/S is available free of charge for one year in principle.

2.If the customer changes his mind or cannot familiarize himself with the product, compatibility of the parts and decides to return the product, he shall bear the cost of return delivery service.

Request for AG

Name of customer	Purchase site	
Contact point	item	
Address		
Details of A/S request		

patronizing SEMYEONH BIOTECH"



SEMYEONG BIOLOCH CO

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