

# FARMA INFRA 250

## User Manual



### SPECIFICATION

- Electric Power Capacity : AC 220V 50/60Hz
- Consumed Power : 240W
- Time : 5 ~ 60Min
- Size : 500mm X 1700mm
- Weight : 6,8kg

### FEATURE

- Simple design,
- Easy adjustment of the height,
- Convenient and free irradiation with the handle,
- Accurate irradiation with the digitalized control board,
- Convenient movement,

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## What is the FARMA INFRA 250?

The FARMA INFRA 250 is a device used to irradiate infrared rays emitted from the lamp to alleviate pain using the radiant heat.

# DIGITAL INFRARED IRRADIATOR



### ■ Product Function & Usage Instruction

1. Plug in power cord.
2. Using the lamp shade handle and main frame fixation pipe, adjust the distance between the patient and the lamp.
3. Turn on the power.
4. Adjust exposure time with the time adjuster(5~60 Min.)
5. Adjust appropriate intensity needed for the patient with the intensity adjuster(1~10)
6. Pushing "Start", irradiation will begin.
7. Time is over, irradiation will be stopped automatically.
8. Plug out power cord after use.

## Usage Purpose

The device is used to alleviate pain by warming parts of the body.

## **APPLICATIONS:**

Use in orthopedic field: treatment of arthritis, lumbago, rheumatism, sprains, and generally where a penetrating heat source is needed.

Use in physiotherapeutic field: massage preparation and body heating for a better absorption of creams by the skin.

Heating: in cold rooms it's possible to obtain an immediate heating for the irradiated person.

***FOR THE USE OF THIS DEVICE IT'S NECESSARY TO FOLLOW CAREFULLY THE DOCTOR'S INSTRUCTIONS ABOUT EXPOSITION TIMES, APPLICATION DISTANCE AND FREQUENCY***

## **Usage Guidelines**

### **1. Preparations prior to usage**

- 1) Check that your power source has the rated voltage.
- 2) Check the settings on the switch, etc. and verify that the device is operating properly.
- 3) Confirm that cords and other extensions are properly connected.
- 4) Confirm that the individual who will be applying the product meets the conditions required for safe usage.
- 5) Check the condition of the device and supplementary parts before usage.
- 6) When using the device again after a long period of storage without use, be sure to check that the device operates properly and safely.
- 7) Check the lamp for any damage.
- 8) Based on the provided precautionary guidelines, conduct a final check-up to ensure that there are no problems before using the product.

### **2. Method of Usage and Operating Procedures**

- 1) Plug the power plug of the device into the outlet.
- 2) Adjust the lamp shade from which the rays are irradiated and support stand to make sure that the device is at a proper distance from the patient.
- 3) Turn on the power.
- 4) Use the time adjuster to set up the desired irradiation duration time (1 minute ~ 60 minutes).
- 5) Use the intensity adjuster to set up the desired output intensity level.
- 6) Once the set time has passed, the device will automatically cease operation.

## **Method of Storage and Care after Usage**

- 1) Unplug and safely store the power cord.
- 2) Do not store the device in locations with high humidity or close to firearms or incendiary devices.
- 3) Keep the device out of the reach of children and store in a dry location.
- 4) Do not expose the device to strong impact and never lay the device on the side.
- 5) When cleaning the device, do not use volatile liquids such as thinners. Use a soft cloth or a cloth dampened with a neutral cleanser.

## **Precautions During Usage**

- 1) When irradiating the rays on the face, take caution to avoid the risk of damage to the eyes. Cover the eyes with a towel or thin gauze prior to irradiation.
- 2) Prevent water or liquids from splattering on the heated light bulb.
- 3) When using irradiation on children or elderly or infirm patients, be sure a guardian is in attendance during usage.
- 4) Check that the device is operating properly before usage.
- 5) If the user experiences any abnormal reactions, immediately cease operating the device.
- 6) Never transport, move or lay the device on the side during usage.
- 7) Be sure to consult with your doctor for prescriptions or guidelines prior to usage.
- 8) If the user experiences acute pain or abnormal sensations, immediately cease using the device.
- 9) Do not use the device for an excessively long duration.
- 10) Do not use in locations with high temperature or humidity.
- 11) Do not use simultaneously with other stimulating devices.
- 12) Keep the device out of the reach of children or individuals with mental disabilities.
- 13) In the event of a power outage or thunderstorm, turn off the power switch and remove the power plug from the outlet.
- 14) Thoroughly familiarize yourself with the user manual and operate the device according to the provided guidelines.
- 15) Do not use the device for other purposes such as drying clothes, etc.
- 16) Do not touch the safety protection net or the areas in its vicinity during usage or immediately after usage.
- 17) Please be sure to consult your doctor for prescriptions and guidelines prior to usage.

## MEDICAL DEVICE EQUIPPED WITH INFRARED RAYS (IR)

### CLASSIFICATION:

- ☐☐ According to Standard EN 60601-1 : CLASS I TYPE B
- ☐☐ According to Directive CEE 93/42 : CLASS IIa

### NOTICES FOR TRANSPORT AND STORAGE -

During the transport it's necessary to avoid shocks on the packaging containing the IR lamps. In case of damaged packaging it's necessary to check the functioning of the timer and the integrity of the IR bulbs.

During operation, transport and storage it's necessary to respect the following values:

OPERATION CONDITIONS - temperature : 0°C☐30°C

- relative humidity : 10☐80%
- atmospheric pressure : 500☐1060 hPa

TRANSPORT CONDITIONS - temperature : -20°C☐60°C

- relative humidity : 10☐80%
- atmospheric pressure : 500☐1060 hPa

STORAGE CONDITIONS - temperature : -20°C☐60°C

- relative humidity : 10☐80%
- atmospheric pressure : 500☐1060 hPa

### DIRECTIONS FOR USE AND NOTICES

The times and frequency of application, the distance from the device and the global duration of the treatment must be determined by the doctor and may change from person to person. The distance of application must be set according to a normal endurance of the produced heat by the person subjected to the treatment. **Anyway the minimum application distance is 50 cm.** During the exposition don't wear clothes that could reduce the efficiency of the treatment and could create the danger of self-burning.

After the treatment don't expose the person to air currents or changes of temperature.

Approximately you can consider the following directions for use:

**Infrared rays:** they are utilized for the treatment arthritis, lumbago, rheumatism, sprain.

Applications of 10/15 minutes per day at a minimum distance of 50 cm. Use the protective goggles.

Dangerousness connected to the utilization of these burners is mainly due to: **HEAT**

**ABSORPTION BY THE EYE**

Extremely high irradiation power, in every wavelength, causes damages to the human eye due to the absorption of the developed heat; with time (years or some decades) it can make muddy the optical lens.

In order to avoid these damages and according to the total emitted energy by the burner and to the percentage of short waves, the user of these instruments has to shield the burners or to employ a personal protection for the eyes (IR protection filter according to DIN EN 171)

## **MAINTENANCE**

### **IR EMITTERS CLEANING**

**Frequency of operation:** every three months or before, if you see an opacization of the IR bulbs for dust deposits.

Dust deposits reduce a lot the IR irradiation intensity.

**Procedure:** be sure to have disconnected the cable plug from the current socket and that the device is cold. Remove the closing bracket and extract the protective grid. With a damp cloth clean IR bulbs. Place the grid again.

### **DON'T USE SOLVENTS, PAINTED PARTS AND WHEELS CLEANING**

**Frequency of operation:** every three months.

**Procedure :** clean the painted parts with a damp cloth or a cloth imbuted with alcohol. Don't use solvents.

Remove from the wheels eventual materials (dirtiness, hairs, etc..) embedded in the pins.

### **CHECK OF THE INSIDE WIRING STATE**

**Frequency of operation:** every 12 months **BY SPECIALIZED REPAIRATORS.**

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