



HANDHELD UV LAMP

HANDHELD UV LAMP

Model: WD-9403EBA

USER'S GUIDE

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Important Notice

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Safety Precautions

Thank you for choosing BioAmerica Equipments. To ensure the best performance from your device, we recommend that you read these instructions carefully before the first use.

This equipment is for indoor laboratory use only. Do not use it for purposes other than those for which it is intended.

This user's guide is part of the product. If the guide is lost, check our website for an electronic version or contact us.

Applications

WD-9403EBA Handheld UV Lamp is an illumination device with an ultraviolet light source for the sample visualization during the processing and to check the results of the chosen application. It is suitable for hospital, university or scientific research institutions.

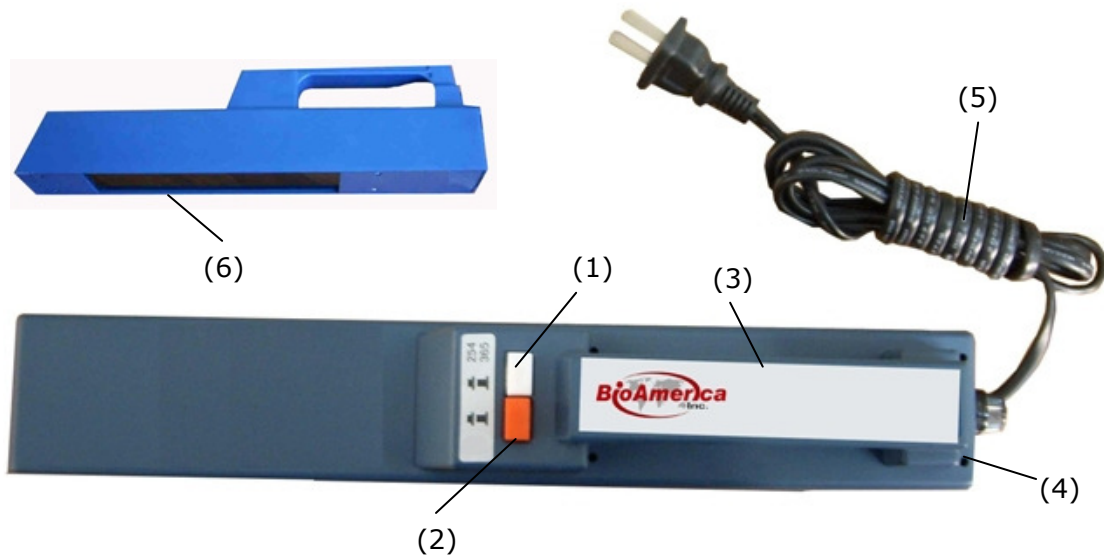
WD-9403EBA Handheld UV Lamp supplies two sizes of UV light wavelengths: 254nm and 365nm. You can select the wavelength by pressing the corresponding button.

Specifications

- ✓ UV filter size: 177 x 50 mm;
- ✓ UV wavelength: 254nm and 365nm;
- ✓ UV tube power: 8W (254nm and 365nm);
- ✓ Wavelength Light transmittance (230nm – 400nm): $\geq 40\%$;
- ✓ UV light window radiant flux density: $10\mu\text{w}/\text{cm}^2$;
- ✓ Operating conditions:
 - a. Ambient temperature: $5^{\circ}\text{C} - 40^{\circ}\text{C}$ ($41 - 104^{\circ}\text{F}$);
 - b. Relative humidity: $\leq 80\%$;
 - c. Atmospheric pressure: $86\text{kpa} - 106\text{kpa}$ ($0.85\text{atm} - 1.05\text{atm}$);
- ✓ Power source:
 - a. Power source voltage: AC 110V or $220\text{V} \pm 22\text{V}$;
 - b. Frequency: 60Hz/50Hz;
- ✓ Continuous working time: max. 4 hours;
- ✓ Fuse: $\phi 5 \times 20$ 1A;
- ✓ Dimensions (L x W x H): 325 x 53 x 90 mm;
- ✓ Net weight: 0.5 kg.

Physical Description

WD-9403EBA Handheld UV Lamp is a small and compact UV lamp. It is simple and easy to use. The Handheld UV Lamp housing is made of molded plastic and designed for fatigue free use. It is a light, mobile device.



(Image 1)

- (1) 254/365nm button; (2) Power button; (3) Handle;
(4) Fuse cap; (5) Power cord; (6) UV window

Operation Steps

1. Connect WD-9403EBA Handheld UV Lamp to the power supply (AC 110V or 220V, 50Hz);
2. Press the red "ON/OFF" button;
3. To select 254nm UV light, press the white button, and to select 365nm UV Light, release the white button. After you choose the light source, wait 1 – 2 minutes to use the WD-9403EBA Handheld UV Lamp;
4. Release the red "ON/OFF" button when you do not need to use the device;
5. After examining the sample, turn off the apparatus and clean it for the next use.

Note: before you clean the device, remember to pull the power cord out from the wall outlet.

Replacing the fuse

Fuses protect electronic devices by blocking loads too large for the internal circuits to handle. For continued protection, only replace with fuses of the specified voltage and current rating. There is a round module (fuse sockets) on the rear panel beside the main power cord receptacle holding one fuse (1A / $\phi 5 \times 20$).

To replace the fuse:

1. Turn off the device and pull the power cord out from the wall outlet;
Note: Make sure to hold the plug attached and do not pull the power cord directly. Do not hold the plug with wet hands.
2. Unscrew the screw-cap of the fuse socket on the back side of the device in a counterclockwise direction, and take out the fuse. You can visually judge if the fuse is burnt, or by using the Ohm classification of an universal meter, before replacing with a new fuse;
3. Screw the screw-cap in clockwise direction.

Important Safety Information

- ✓ Do not look into the lit UV window as it is hazardous to your eyes and skin. Always wear at least a UV-proof face shield and cover all exposed skin;
- ✓ Hold the WD-9403EBA Handheld UV Lamp so that the light beams are facing away from you;
- ✓ Always disconnect the power cord before cleaning the device or replacing the fuses.

WD-9403EBA Components & Accessories

Catalog Number	Description
WD-9403EBA	Handheld UV Lamp x 1 unit
PSABA57	Power Cord x 1 unit
-	Users Guide

Daily Maintenance

Clean the surface of the UV window after each use with an ethanol wet cotton ball. Use a mild detergent and distilled water on a soft cloth or sponge to clean the exterior of the device. Never use abrasive cleaners, solvents or chloroform on any part of the unit.

CAUTION: Always turn off the device and pull the power cord out from the wall outlet before cleaning.

After cleaning, pack the device in a clean plastic bag and store it in a dry and cool place without dust and steam.

Attention

- ✓ Carefully unpack the contents, while checking them against the packing list, to make sure all parts are present. If any part is missing, contact BioAmerica immediately. Inspect all components for damage that may have occurred during transportation. If any part appears damaged, contact the carrier immediately. Remember to keep all packing material for damage claims and for reuse if it becomes necessary to return the device;
- ✓ Avoid dropping or hitting the device while in transport. The device should be stored in a cool, dry place;
- ✓ Connect the device to a grounded AC power outlet (image 1), using the power cord provided with the device. Do not cut or splice the power cord. When you pull the power cord from the wall outlet, make sure to hold the plug attached and do not pull the power cord directly. Do not operate the device with wet hands;
- ✓ UV lamps are subject to wear. You should change them according to use, usually every 6 months to 12 months. UV Lamps are not included in this devices warranty;
- ✓ If you do not plan on using the device for a long time, pack it in a clean plastic bag and store it in a cool, dry place.

Warranty

BioAmerica Inc. guarantees that this unit is free of any defective material and workmanship for a period of 12 months from the date of the invoice or under sales contract conditions. BioAmerica Inc. will repair or replace the defective equipment returned during the warranty period free of charge if the equipment has been used under normal laboratory conditions and in accordance with the instruction in this guide. The following defects are specifically excluded:

1. Damage caused by accident, accidental misuse or abuse;
2. Damage caused by disaster;
3. Repair or modification by anyone else without our authorization;
4. Defects caused by improper operation;
5. Use of fittings or other spare parts not specified by BioAmerica Inc for this unit.

A return authorization must be obtained before returning any product for repair on a freight-prepaid basis.

BioAmerica Inc. reserves the right to alter the specification or modify any component of its products without prior notice, in order to improve their quality and better serve its customers.

For any inquiry or request for repair service, contact BioAmerica Inc. providing us with model and serial number of your instrument.

This warranty does not apply to UV light tubes or accessories.

Contact us

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