

USER MANUAL

SHARPS
TERMINATOR[®]



SHARPS TERMINATOR®

Thank you for purchasing SHARPS TERMINATOR®. This device will enable you to safely destroy needles at the injection site and thereby protect yourself and people around you. Use of the product as directed will also enable recycling of syringe plastics and reduce the carbon footprint of your facility.

WARNING LABELS

Please introduce yourself with the labeling, before using this device:



WARNING

CONDITION THAT MAY CAUSE INJURY
READ MANUAL CAREFULLY



CAUTION

CONDITION THAT MAY CAUSE DAMAGE
TO THE DEVICE OR APPLIANCE

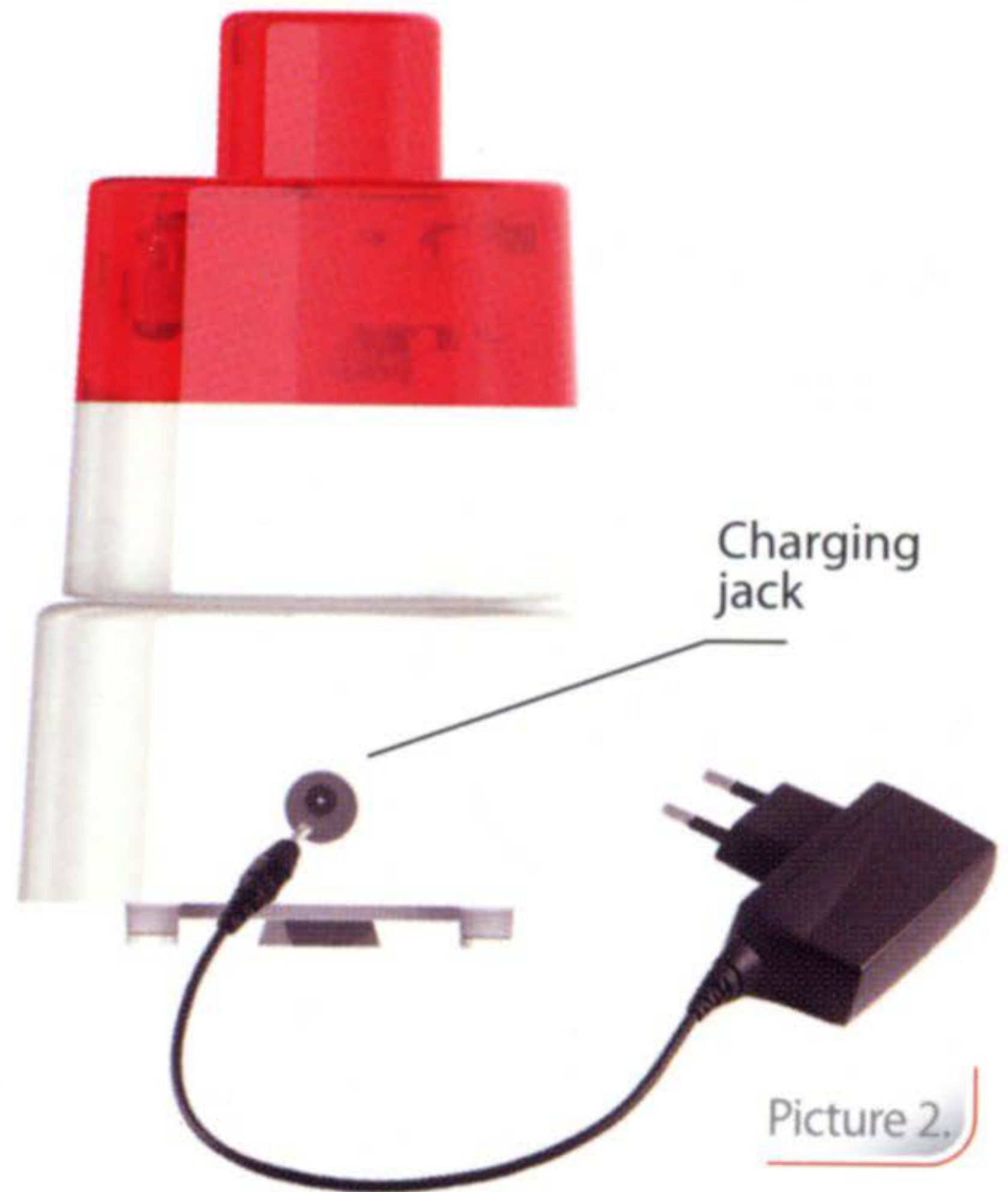
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Use **ONLY** charger provided with the device!
It is recommended not to burn needles before the battery is fully charged. However, it is possible (but not recommended) to burn needles when the yellow indicator is ON.

It is recommended to charge the device during the night (if not used 24 hours a day), so it can be ready for use next day. If it is used 24 hours a day, it is also recommended to ensure a full charge cycle to ensure longer battery life. Avoid short charging as it will shorten the life of the battery. LED battery indicator will be green when the battery is completely full (see the list of LED signals).



Picture 2.

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Information for Responsible body: The User shall be trained before being allowed to perform the hazardous operation.

Temperature range for use is -10°C to +50°C.

If the SHARPS TERMINATOR® is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

A small, plastic tool is used for removal of plastic and metal needle remains on the electrode. While cleaning, it is forbidden to touch the electrodes, and to use metal objects/tools. After cleaning, it is recommended to disinfect the plastic tool.

INTRODUCTION

SHARPS TERMINATOR® is designed for safe destruction of needles with a thickness of 30-18 gauge (0,3mm - 1,2mm) and with a 10mm up to 100mm length (depending on thickness). The device can burn even thicker needles, depending on the composition of the needle. To verify that the device can burn needles you are using, and if they are outside the scope (but not exceeding 2 mm or 14G), try burning a sterile needle in order to detect the performance of the device. If the device burns the test needle and cuts off the needle stub without any problems or alarms, you can use that type of needle in the device as standard protocol.



Recommendation:

For the first use, it is recommended to use sterile needles of your standard type to check the performance of the device.

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DEVICE PURPOSE

SHARPS TERMINATOR® is a mobile device intended for the destruction of needles 30-18 gauge thickness (0,3 – 1,2mm) and 10 up to 100mm length (depending on thickness). It can be used by both, health professionals and individual users.



READ MANUAL CAREFULLY!

IMPORTANT! THE FIRST USE OF THE SHARPS TERMINATOR® DEVICE

The original package includes: User Manual, waste collector, charger, warranty card, plastic electrode cleaner and multi-media guide. If any of the above is missing or You notice that the device or the temper evident seal is damaged, contact your local dealer immediately.

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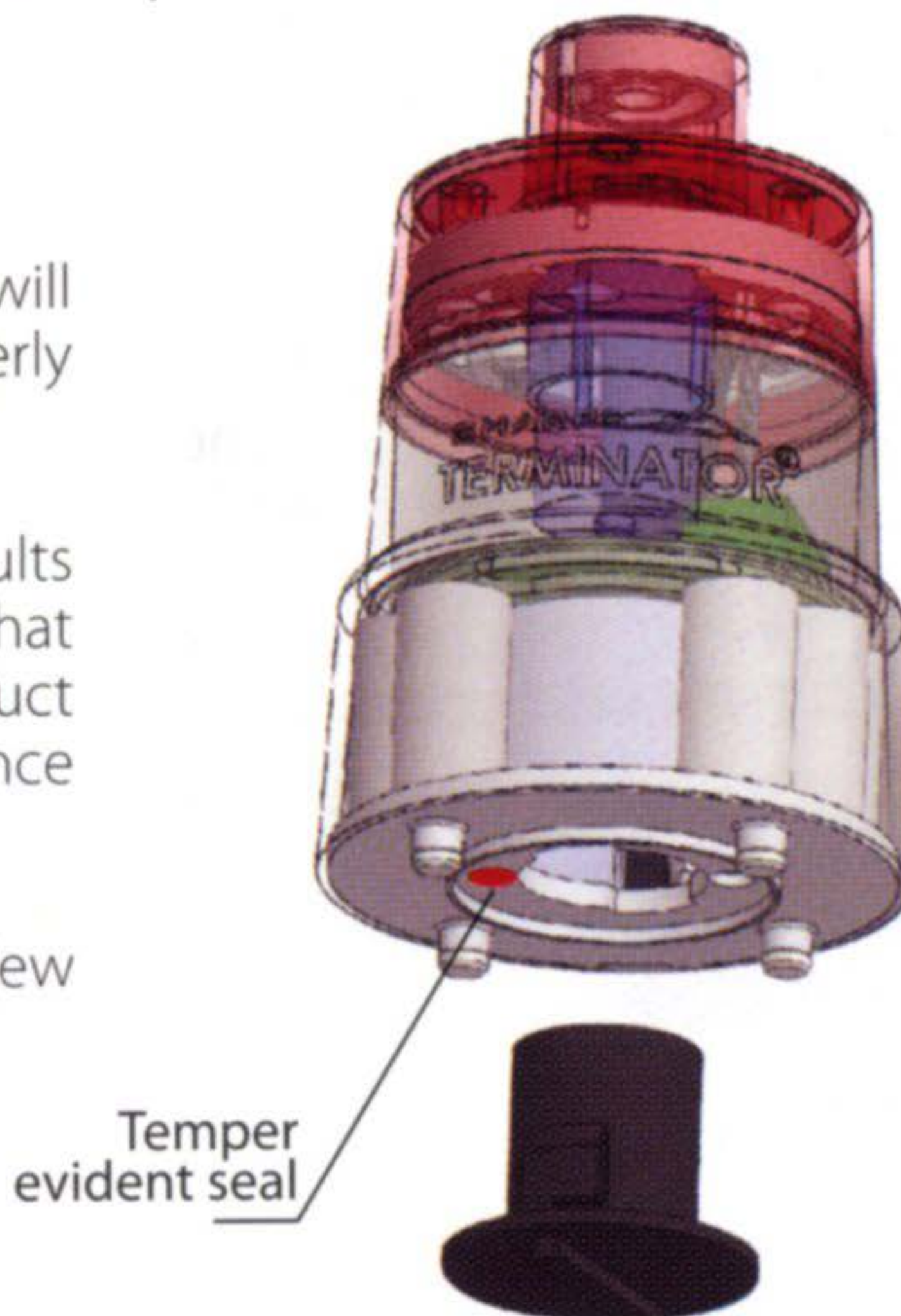
If all components are intact and undamaged, insert the collector into the device at the bottom and engage the lock by turning it clockwise. (Picture 1). Plug in the charger (Picture 2) before first use and leave the device charging until green LED (Light Emitting Diode) light is ON (Picture 3).

Note:

The device can not be charged and will not work if the collector is not properly placed.

The device may show different results during the destruction of needles that are made of certain alloys that conduct electricity with greater or less resistance than typical.

For further information please review the official company website.



Picture 1.

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DO NOT USE DEVICE IN EXPLOSIVE AREAS OR WHERE USE OF AN OPEN FLAME IS PROHIBITED!

CHARGING OF SHARPS TERMINATOR®

SHARPS TERMINATOR® is powered by an internal 4.8 V NiMh rechargeable-battery pack. The battery pack can be recharged ONLY using the charger provided with the device. A blinking red LED signals that the battery voltage is low and that You need to connect the charger. Plug the charger into the wall socket and then to the device (Picture 2). The charging of the battery takes 3 hours maximum and it consists of 3 phases. The first phase lasts about 30 minutes and is signaled by the red LED. During this phase, the device is not operational. The second phase is signaled by a yellow LED. This means that the device is operational, but the charging of the battery is still in progress. Finally, the third phase occurs when the battery is fully charged. This is signaled by the green LED until the charger is unplugged.

CLEANING OF SHARPS TERMINATOR®

- Clean the outside of the device only.
- Always unplug the charger from the device before cleaning.
- Do not pour cleaning liquids (or any other type of liquid) inside the device.
- Wear appropriate protective gloves during cleaning process.
- Use a soft cloth slightly moistened with non solvent cleaning fluid or disinfectant to clean the outside of the device.
- Completely dry the device before next use.

DISPOSAL OF SHARPS TERMINATOR®

The device contains NiMH batteries that are subject of recycling. Do not try to take the battery out of the device on your own. Therefore, recycle whole device in accordance with local regulations. Ask local authority for more details on recycling.

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SHARPS TERMINATOR® SERVICE

Servicing of the device is allowed **ONLY** to authorized service personnel! Never attempt to open the device yourself or to resolve malfunction that is not specifically prescribed in this publication!

If Your device is under warranty or You have ordered a replacement unit, You will be sent protective and transport packaging (safety bag) in which you must properly pack and seal your device before returning it to the service location. This is necessary in order to prevent possible contamination in transit.



WARNING

- DO NOT INSERT NEEDLES THAT CONTAIN EXPLOSIVE OR RADIOACTIVE SUBSTANCES INTO DEVICE.
- DO NOT USE IN EXPLOSIVE ATMOSPHERES WHERE OTHER ELECTRONIC DEVICES CAN NOT BE USED.
- NEVER INJECT CONTENT OUT OF SYRINGE INTO DEVICE, DURING THE BURNING PROCESS.
- DO NOT CLEAN WITH AGGRESSIVE AGENTS.
- NEVER TURN DEVICE UPSIDE-DOWN. THIS CAN CAUSE DAMAGE.

WARRANTY

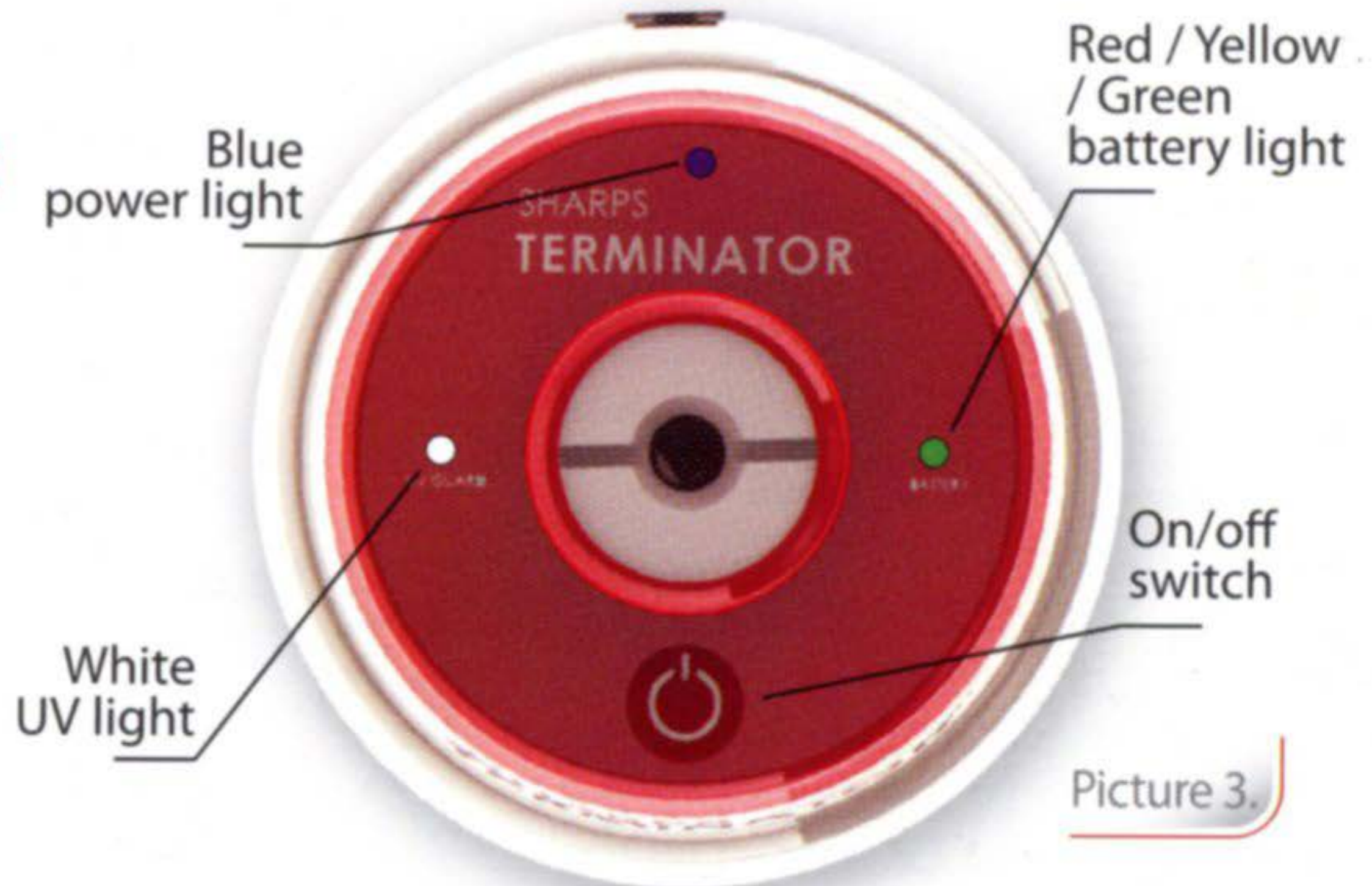
Product warranty period is 24 months, and battery warranty is 6 months from the date of purchase. UV lamp is not subject of warranty. For further details read the Warranty card.

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OVERVIEW OF CONTROLS AND INDICATORS



The device is activated by pressing the ignition key ON / OFF (Picture 3). If the blue LED lights constantly, the device is ready for use. Initiate needle burn by vertical insertion of the needle into the center hole, on the top of **SHARPS TERMINATOR®** (Picture 4). Push the needle down firmly through the center hole. The destruction process (melting of a needle) is performed by a short circuit between the electrodes and needle inside the device. Push the needle vertically down as deep as it is possible and firmly hold in the final position. You will hear a brief mechanical humming noise as the act of cutting the metal needle stub from syringe followed by white LED indicator. Take the syringe out of the device and place it in the appropriate disposal box.

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Inserting the syringe with needle at an angle is not allowed and will cause improper and incomplete burning and can damage the device.



DO NOT INJECT SYRINGE CONTENT INTO THE DEVICE. IT MAY CAUSE THE DEVICE DAMAGE!

UV lamp will be active for 10 seconds after the cutting process is completed (signaled by white LED). Blue LED indicates that the device is ready to destroy the next needle. After 25 burned needles, you will be alerted by the flashing of the blue LED 3 times.

This signal indicates that the collector is almost full and it will be necessary to remove the collector from the device and empty it soon. You will still be able to destroy needles until You reach 30.



REMOVAL OF BURNED WASTE FROM SHARPS TERMINATOR®

After burning 30 needles, the device will deactivate until the collector is emptied and has been reinstalled. The destroyed needles inside the collector is exposed to a sterilizing UV lamp after each use. Dispose the waste in the container designated for disposal of used needles.



NEVER, EVEN DURING CONTAINER REMOVAL, DO NOT TURN DEVICE UPSIDE-DOWN (ALWAYS KEEP IN VERTICAL, UPRIGHT POSITION)!

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DESCRIPTION OF SHARPS TERMINATOR® LED SEQUENCES

Constant light

Light signal	DESCRIPTION
BLUE	Device ready for use (next 3 minutes blue light is on. However, the device is still ready and can be activated by inserting the needle).
RED	Charging in progress, battery low, device not operational.
YELLOW	Charging in progress, device operational.
GREEN	Charging completed.
WHITE	UV lamp active.

SHARPS TERMINATOR® is a registered trademark. The design is covered by several US patent applications filed and subject to protection under the Patent Cooperation Treaty in Geneva with the United States as the designate.

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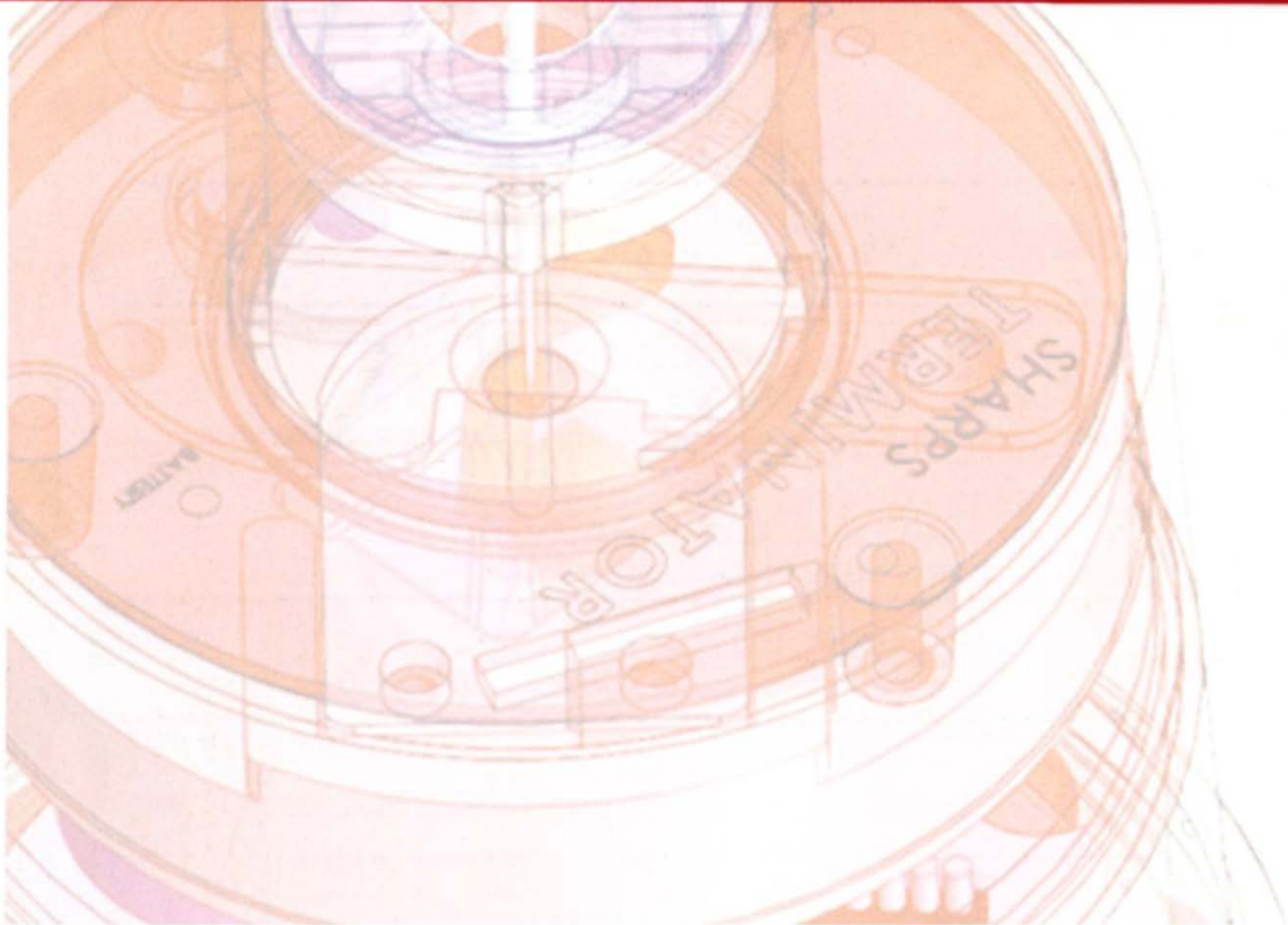
Blinking light – Alarms - Troubleshooting

INDICATOR	DESCRIPTION	TROUBLESHOOTING
RED	Battery voltage low, device not operational.	▶ Plug in the charger and wait 30 minutes minimum before next use.
WHITE	▶ UV lamp missing or broken.	▶ Do not use the device. ▶ Contact service.
BLUE	▶ Collector full. ▶ 30 needles destroyed.	▶ Empty and reinsert the collector.
WHITE / RED	▶ Motor jammed or failed.	▶ If no jam, press and hold ON button for 5 sec. to reset the device.
WHITE / GREEN	▶ Over current protection is activated.	▶ Wait for 2 minutes. The device should automatically reset. If the alarm continues contact service.
WHITE / YELLOW	▶ Electrodes short-cut.	▶ Use supplied plastic tool to clean space between electrodes.
WHITE / BLUE / YELLOW	▶ Power up, power down or device reset in progress.	▶ Press and hold ON switch for 5 seconds. The device resets and keeps flashing for 20 seconds.

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