

UV-TORCHLIGHT 6F

EN

INSTRUCTIONS
UV TORCH



 **TROTEC**

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Information on the use of these instructions

Symbols



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.



Warning

Information marked with this symbol indicates that the device generates UV radiation. Information about how you have to protect yourself from UV radiation will be provided to you.



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Notice

This signal word indicates important information (e.g. material damage), but does not indicate hazards.



Info

Information marked with this symbol helps you to carry out your tasks quickly and safely.



Follow the manual

Information marked with this symbol indicates that the instructions must be observed.



Wear safety glasses

Information marked with this symbol indicates that you should wear eye protection.

You can download the current version of these instructions via the following link:



UV-Torchlight 6F



<https://hub.trotec.com/?id=47217>

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use.



Warning

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in an aggressive atmosphere.
- This appliance is not a toy. Keep away from children and animals.
- Protect the device from permanent direct sunlight.
- Do not open the device.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Use batteries of type AAA.
- Never charge batteries that cannot be recharged.
- Different types of batteries and new and used batteries must not be used together.
- Insert the batteries into the battery compartment according to the correct polarity.
- Remove discharged batteries. Batteries contain materials hazardous to the environment. Dispose of the batteries according to the national regulations.
- Remove the batteries from the device if you will not be using the device for a longer period of time.
- Never short-circuit the terminals of batteries!
- Do not swallow batteries! If a battery is swallowed, it can cause severe internal burns within 2 hours! These burns can lead to death!

- If you think batteries might have been swallowed or otherwise entered the body, seek medical attention immediately!
- Keep new and used batteries and an open battery compartment away from children.
- Observe the storage and operating conditions (see Technical data).
- Do not use optics within the light cone to bundle the light beams.

Intended use

Only use the device to irradiate objects, e.g. to find cracks or leaks, or to identify certain UV markers when checking banknotes or hygiene.

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

The device must not be pointed at people or animals. Do not use the device in potentially explosive areas. Do not use the device underwater.

Any unauthorised changes, modifications or alterations to the device are forbidden.

Personnel qualification

People who use this device must:

- use the UV lamp in accordance with safe working procedures.
- be aware of the dangers that occur when working with UV lamps.
- wear UV protection glasses.
- wear covering clothing.
- have read and understood the instructions, especially the Safety chapter.

Residual risks



Warning

There is a danger of suffocation for children due to packaging material! Keep packaging films and parts away from children. There is a risk of death due to suffocation.



Warning of electrical voltage

There is a risk of a short-circuit due to liquids penetrating the housing!

Do not immerse the device and the accessories in water. Make sure that no water or other liquids can enter the housing.



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning

Danger from UV radiation!

The device generates UV-A radiation in the non-visible range of < 400 nm. The eyelid closure reflex does not work in this UV range. Do not look at the UV LED or into its beams during operation. Be careful not to shine the light directly on people or animals.

Do not use optics within the light cone to bundle the light beams.

When used in direct proximity to the object, the reflected UV radiation is stronger and thus more intense than at a distance of several metres. Always use suitable UV filters or safety glasses according to CE-EN166 to avoid eye damage. Also avoid prolonged exposure of skin or other living tissue.



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



Caution

Keep a sufficient distance from heat sources.

Notice

To prevent damages to the device, do not expose it to extreme temperatures, extreme humidity or moisture.

Notice

Do not use abrasive cleaners or solvents to clean the device.

Information about the device

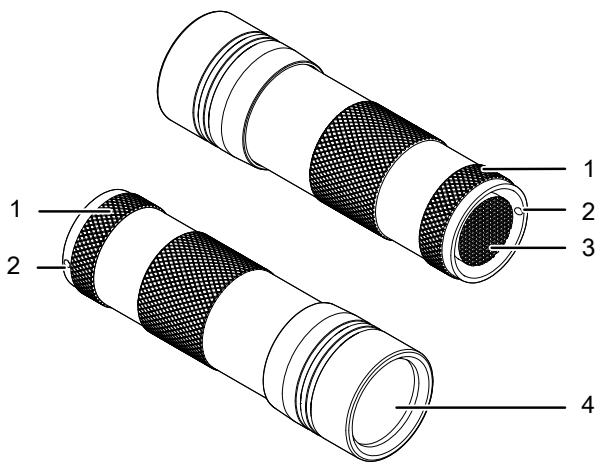
Device description

The UV-Torchlight 6F generates UV-A light in the 365 nm range.

Possible applications of the device are:

- checking for cracks or fissures using fluorescent testing agents
- leak detection with fluorescent liquids
- localization of UV active substances (blood, sweat, urine etc.)
- geocaching
- security check of documents or banknotes

Device depiction



No.	Operating element
1	Cap
2	Opening for wrist strap
3	Power button
4	Light source with 12 UV LEDs

Technical data

Parameter	Value
Model	UV-Torchlight 6F
Weight incl. batteries	56.5 g
Dimensions (diameter x height)	29.5 mm x 96.5 mm
Power	1 W
Power supply	3 x Alkaline battery LR03 1.5 V AAA
Light source	12 x 365 nm LED
Wavelength UV-A light	365 ± 5 nm
Max. operating time	5 hours

Scope of delivery

- 1 x UV-Torchlight 6F (without batteries)
- 1 x Quick guide

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

When transporting the device, ensure dry conditions and protect the device from external influences e.g. by using a suitable bag.

Storage

When the device is not being used, observe the following storage conditions:

- dry and protected from frost and heat
- protected from dust and direct sunlight
- at the temperature specified in the technical data
- Batteries are removed from the device

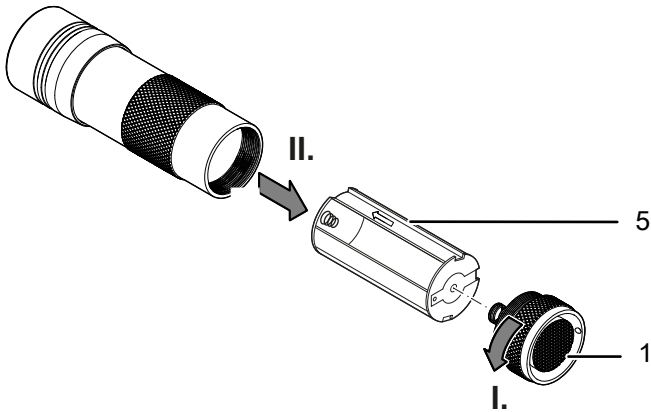
Operation

Inserting the batteries

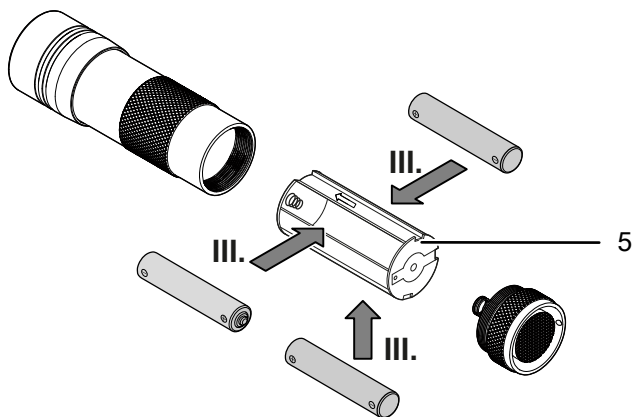
Notice

Make sure that the surface of the device is dry and the device is switched off.

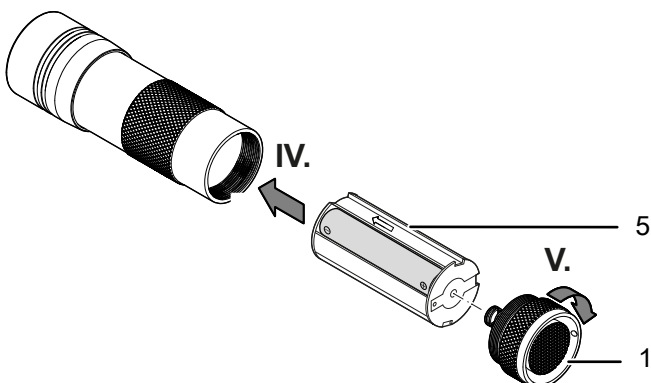
1. Open the battery compartment by turning the cap (1) counter-clockwise.
2. Remove the battery housing (5).



3. If applicable, remove the old batteries. Insert the batteries (3 x 1.5 V AAA) into the battery compartment with correct polarity.



4. Insert the battery housing into the device in the direction of the arrow.
5. Screw the cap (1) back onto the battery compartment.



Attaching the wrist strap

1. Attach the wrist strap to the opening provided on the cap using the connecting ring (2).

Switching On/Off



Warning of electrical voltage

There is a risk of a short-circuit due to liquids penetrating the housing!

Do not immerse the device and the accessories in water. Make sure that no water or other liquids can enter the housing.



Warning

Danger from UV radiation!

The device generates UV-A radiation in the non-visible range of < 400 nm. The eyelid closure reflex does not work in this UV range. Do not look at the UV LED or into its beams during operation. Be careful not to shine the light directly on people or animals.

Do not use optics within the light cone to bundle the light beams.

When used in direct proximity to the object, the reflected UV radiation is stronger and thus more intense than at a distance of several metres. Always use suitable UV filters or safety glasses according to CE-EN166 to avoid eye damage. Also avoid prolonged exposure of skin or other living tissue.



Info

For best results, use the device in a darkened environment.

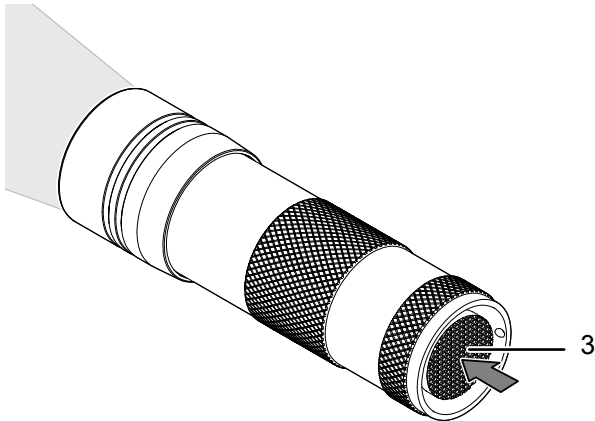
Notice

Wet urine traces cannot be made visible using the device. Only dry urine traces become visible in the UV light.

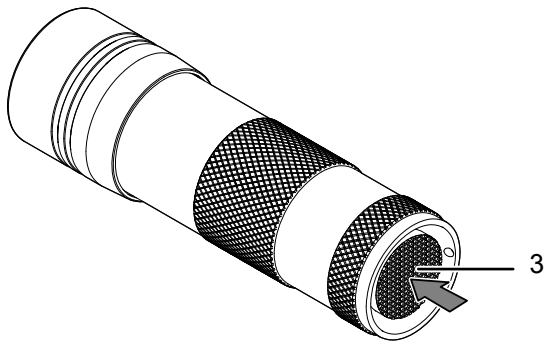
Notice

On a dark background, the colour of the reflected spot may be similar to the colour of the background and thus difficult to see.

1. Press the *Power* button (3).
⇒ The UV torch turns on.



2. Illuminate the desired area with the UV torch.
3. Press the *Power* button (3) again.
⇒ The UV torch turns off.



Maintenance and repair

Cleaning

Clean the device with a soft, damp and lint-free cloth. Make sure that no moisture enters the housing. Do not use any sprays, solvents, alcohol-based cleaning agents or abrasive cleaners, but only clean water to moisten the cloth.

Repair

Do not modify the device or install any spare parts. For repairs or device testing, contact the manufacturer.

Battery change

A battery change is required when the device can no longer be switched on (see chapter Inserting the batteries).

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



The icon with the crossed-out wheeled bin indicates that this device and any associated components (e.g. remote controls) must not be disposed of with household waste at the end of their life, in accordance with the Waste Electrical and Electronic Equipment Directive (2012/19/EU) and national laws.

You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. You can also find out about other return options that apply for many EU countries on the website <https://hub.trotec.com/?id=45090>. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.



This icon with the crossed-out wheeled bin indicates that batteries or accumulators must not be disposed of with household waste at the end of their life. If the device contains batteries or accumulators that contain mercury, cadmium or lead, the respective chemical symbol (Hg, Cd or Pb) is shown below the icon of the crossed-out wheeled bin. To prevent environmental pollution, do not carelessly leave batteries or electrical and electronic equipment containing batteries in public areas. In the European Union, batteries and accumulators must be returned to a designated collection point in accordance with REGULATION (EU) 2023/1542 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 July 2023 concerning batteries and waste batteries. Remove batteries/accumulators and dispose of them separately according to the relevant legal requirements.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

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