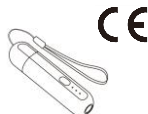


KT100

Insect bite helper



CONTEC Contec Medical Systems Co., Ltd.

Address: No.112 Qinhuang West Street, Economic & Technical Development Zone, Qinhuangdao, Hebei Province, PEOPLE'S REPUBLIC OF CHINA

Tel: +86-335-8015430

Fax: +86-335-8015588

Technical support: +86-335-8015431

E-mail: cms@contecmed.com.cn

Website: http://www.contecmed.com



Prolinx GmbH

Brehmstr. 56, 40239 Duesseldorf Germany

Tel: 0049 211 3105 4698

E-mail: eu@eulinx.eu

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User Notice

Dear users, thank you very much for purchasing the Insect bite helper (hereinafter referred to as device).

The Manual describes, in accordance with the device's features and requirements, main structure, functions, specifications, correct methods for transportation, installation, usage, operation, repair, maintenance and storage, etc. as well as the safety procedures to protect both the user and device. Refer to the respective chapters for details.

Please read the User Manual carefully before using this device. The User Manual which describes the operating procedures should be followed strictly. This instruction will describe the operation procedures that require attention, operation practices that may lead to abnormality, damage that occur to the product and the operator or user.

As for any abnormality or damage to the machine or people caused by operation, maintenance and storage violating this instruction, our company is not responsible for safety, reliability and performance guarantee and the manufacturer's warranty service does not cover such faults. Owing to the forthcoming renovation, the specific products you received may not be totally in accordance with the description of this User Manual. We would sincerely regret for that.

Our company has the final interpretation to this manual. The content of this manual is subject to change without

prior notice.

Warnings

Remind that it may cause serious consequences to tester, user or environment.

- ❖ The maintenance to the device can only be performed by qualified service personnel specified by manufacturer. Users are not permitted to maintain or refit the device by themselves. Unauthorized modification of the device would result unacceptable risk.
- ❖ Depending on the sensitivity of the person using the device and of the area of skin, the treatment temperature may feel unpleasant and cause slight skin redness and, in rare faces, irritated skin. If the heat function feels too hot, stop treatment immediately.
- ❖ Uncomfortable or painful feeling may appear if using the device ceaselessly, especially for the microcirculation disturbance users. If required, you can use the heat function of the insect bite healer on the sting/bite again after a break of 5 minutes or also use it immediately on another sting/bite in a different area. The maximum number of 5 applications per hour on the same treatment area must not be exceeded.
- ❖ Each part of the device is firmly fixed, if accidental falling leads to the small parts such as a button to fall off, avoid swallowing of these parts, it may cause suffocation.
- ❖ The device contains PC and ABS materials. The person who is allergic to PC or ABS can not use this device.
- ❖ The lanyard is made of insensitive material. Please do not use it if any person is allergic to lanyard.
- ❖ Do not wrap the USB cable around neck to avoid an accident.
- ❖ The disposal of scrap device, its accessories and packaging should follow the local laws and regulations, to avoid polluting to the local environment. And the packaging materials must be placed in the region where the children are out of reaching.
- ❖ Check the device before use to make sure that there is no visible damage that may affect user's safety and device performance. When there is obvious damage, please replace the damaged parts before use.
- ❖ When storing the device, keep it away from children, pets to avoid affecting its performance.
- ❖ Do not place the device in places exposed to direct sunlight, high temperature, humidity, dust, cotton wool or easy to splash water, to avoid affecting its performance.
- ❖ The device can not be used with the equipment not

specified in the Manual. Only the accessories appointed or recommended by the manufacturer can be used, otherwise it may cause injury to the tester and operator or damage to the device.

- ❖ It is a non-medical device, and not used for treatment.
- ❖ Users should read the product manual carefully before use and operate according to the requirements.

1 Overview

The device is suitable for relieving itching or swelling caused by insect bites or stings.

1.1 Features

- A. Quickly relieve itching cause by insect bites.
- B. Adopt physical heating, skin-friendly materials, chemical free.
- C. Compact and portable design.
- D. Accurate and reliable temperature control, safe to use.
- E. Two modes (three temperature grade for each mode).
- F. Easy to use at night.

1.2 Environment requirements

Storage Environment

- a) Temperature: -40 °C ~ +60 °C
- b) Relative humidity: ≤ 95%
- c) Atmospheric pressure: 500 hPa ~ 1060 hPa

Operating Environment

- a) Temperature: +5 °C ~ +40 °C
- b) Relative Humidity: ≤ 75%
- c) Atmospheric pressure: 700 hPa ~ 1060 hPa

1.3 Precautions

1.3.1 Attention

Point out conditions or practices that may cause damage to the device or other properties.

- ⚠ Before using the device, make sure that it locates in normal working state and operating environment.
- ⚠ When the device is carried from cold or hot environment to warm or humid environment, please do not use it immediately.
- ⚠ If the device is splashed or coagulated by water, please stop operating.
- ⚠ DO NOT operate the device with sharp things.
- ⚠ High temperature, high pressure, gas sterilizing or immersion disinfection for the device is not permitted. Refer to User Manual in the relative chapter (6.1) for cleaning and disinfection. Please turn off the device before cleaning and disinfection.
- ⚠ The device has 3-year service life, date of manufacture sees the label.
- ⚠ Do not contort or drag the wire of the device.
- ⚠ The device can not be used during charging.

1.3.2 Safety notes

Any person using it on themselves must be over 12 years old. The product should only be used on children under 12

years old if supervised or assisted by an adult.

Do not use:

- In the case of diabetics, as they may have reduced sensitivity to pain and may burn themselves.
- On people with disabilities, children under 3 years of age or people with reduced sensitivity to heat (e.g. people with skin alterations due to illness or scarred skin in the application area, after taking pain relief medication, alcohol or drugs).
- Near to the eyes, on the eyelids, mouth or on mucous membranes.
- On acutely or chronically diseased (injured or irritated) skin.
- If you have a fever.
- On sensitive areas of skin.
- If you have any sensory impairment that reduces the feeling of pain (e.g. metabolic disorders).
- If you are using lotions, creams and gels locally at the same time.
- If you suffer from persistently irritated skin due to long-term heat application on the same area of skin.

Before using the device, consult your doctor if any of the following apply to you:

- You have any skin conditions.
- You suffer from a serious illness, in particular if you have a propensity to thromboembolic conditions or recurrent malignant growths.
- You have unexplained chronic pain in any part of the body.

2 Principle

Many insect bites and stings result in painful and swollen sting and bite marks. These bites/stings often cause severe itching. The insect bite healer offers very effective relief for insect bites and stings through heat. The toxins that can cause itching and swelling are generally made up of protein molecules. Proteins change their molecular structure when a certain temperature limit is exceeded, and therefore often lose their effect. As a result, the itching subsides and your symptoms improve; it's often noted that the area heals more comfortably.

3 Functions

- A. Dual-switch over-temperature protection design, prevents skin burns due to high temperature.
- B. Six temperature grades available, and the set grade can be auto-matically saved.
- C. Indicate the temperature grade by indicator lights.
- D. Low-battery indication.
- E. Automatic standby function.
- F. Type-C charging port.

4 Installation

4.1 Appearance

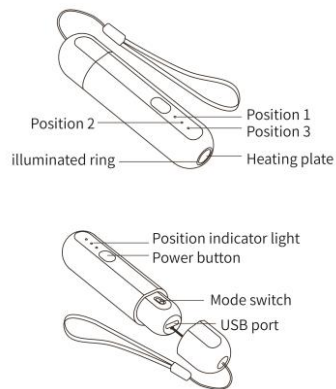


Figure 1 Appearance

A. Mode switch: switch the temperature mode, L: low temperature mode (the position indicator light is blue), H: high temperature mode (the position indicator light is red).

B. Power button: exit the standby mode (start heating), and switch the temperature position (three positions for each mode), position 3: high temperature, position 2: medium temperature, position 1: low temperature.

4.2 Connection of USB cable

Open the USB plug of the device, insert the micro end of USB cable into the USB port interface, the other end into computer or power adapter.

4.3 Structure, accessories and software description

A. Structure: main unit, One hanging rope.

B. Accessories: USB cable, power adapter (optional). Please check the device and accessories according to the list to avoid that the device can not work normally.

C. Software description

Release version: V1

5 Operating

5.1 Use

A. Long press the “Power button” to exit the standby mode and start heating (default position when exiting the standby mode for the first time: position 1). During heating, the position indicator light and the illuminated ring are

constantly on.

B. During heating, short press the “Power button” to switch the temperature position, and the corresponding position indicator light will be on.

Note: Based on skin sensitivity, two temperature modes (three positions for each mode) are designed for selection.

It is recommended to use the low temperature mode (L).

Note: due to the slight burning pain caused by the heating pad, children under 12 years old or people who are more sensitive to the pain should first use the **Low temperature mode (L)**. If the effect is not obvious, then gradually adjust it to the high temperature mode (H) to feel whether it is acceptable. It is recommended to adjust the position in an order from low temperature to high temperature (low temperature mode (L): position 1, position 2, position 3, high temperature mode (H): position 1, position 2, position 3) to find an appropriate one.

C. After heated to the specified temperature, it will give an audible signal.

D. Place the heating plate of the device on the area that has been stung or bitten.

E. After the heating is completed, it will enter the standby mode immediately.

Note: The device has the temperature position memory function. After setting a temperature position, it will still start in that position the next time it exits the standby mode, no need to set it again.

Note: Over-temperature protection function. When the continuous heating time exceeds 60 s, it will enter the standby mode automatically.

5.2 Charging

The device can be charged by a power adapter.

During charging, the three indicator lights will be on circularly. It indicates that it has been fully charged when all indicator lights are on.

Note: when low battery occurs, the device can still be used a few times, but the position indicator light will flash when heating. If the battery power is too low, the device can not work normally. After exiting the standby mode, all indicator lights will flash once, then be off.



Before use, make sure that there is no insect stinging remaining in the area that was stung. Remove the sting carefully before use. Use immediately after the insect bite

or sting achieves the best results, as the toxins have not yet been able to take full effect in the skin. If you wait too long to treat the area that has been stung or bitten and itching, inflammation and swelling has already started, the insect bite healer can only have a limited effect. Nevertheless, treat the area with the insect bite healer. Usually, itching can be relieved and healing can be sped up.

6 Maintain, Transport and Storage

6.1 Cleaning and disinfection

The device must be turned off before cleaning, and it should not be immersed into liquid.

Use 75% alcohol to wipe the device enclosure, nature dry or clean it with clean and soft cloth. Do not spray any liquid on the device directly, and avoid liquid penetrating into the device.

6.2 Maintenance

A. Check the main unit and all accessories periodically to make sure that there is no visible damage that may affect user's safety and monitoring performance. When there is obvious damage, stop using it.

B. Please charge the battery in time when low battery appears.

C. Recharge the battery soon after over-discharge. The device should be recharged every three months when it is not used for some time. It can extend the battery life following this guidance.

6.3 Transport and Storage

A. The packed device can be transported by ordinary conveyance or according to transport contract. During transportation, avoid strong shock, vibration and splashing with rain or snow, and it can not be transported mixed with toxic, harmful, corrosive material.

B. The packed device should be stored in room with no corrosive gases and good ventilation.

Temperature: -40°C~+60°C; Relative humidity: ≤95%.

7 Troubleshooting

Trouble	Possible Reason	Solution
The device no longer gets hot enough	1) The device is not used in environment required by the manual. 2) The device works abnormally.	1) Please use the device in normal environment. 2) Please contact the after-sales.
The device can not be turned on	1) Low battery or the battery is drained away. 2) The device works abnormally.	1) Please charge the battery. 2) Please contact the after-sales.
The device can not be used for full time after charge.	1) The battery is not charged fully. 2) The device works abnormally.	1) Please charge the battery. 2) Please contact the after-sales.

The battery can not be fully charged even after 10-hour charging time.	The device works abnormally.	Please contact the after-sales.
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8 Symbols

Symbols	Meaning	Symbols	Meaning
	Manufacturer		Manufacture Date
	Serial number		Use-by date
	Recycling garbage WEEE (2012/19/EU)		USB
	Temperature limitation		Humidity limitation
	Atmospheric pressure limitation		This way up
	Fragile, handle with care		Keep dry
	Power button		Recyclable
	Material code		Batch No.
	European Representative		This item is compliant with Directive 2014/30/EU and Regulation (EU) 2023/998.

Note: Your device may not contain all the following symbols.

9 Specification

Heating temperature and time	
Low temperature mode	40 °C ~ 44 °C, Position 1: 40 °C, heating time: 10 s Position 2: 42 °C, heating time: 10 s Position 3: 44 °C, heating time: 7 s
High temperature mode	45 °C ~ 50 °C, Position 1: 45 °C, heating time: 7 s Position 2: 47 °C, heating time: 5 s Position 3: 50 °C, heating time: 3 s
Working voltage	DC 3.6 V - 4.2 V
Working current	≤ 250mA
Power supply	A rechargeable lithium battery (3.7V)
Battery life	Charge and discharge: no less than 500 times.
Adapter specification	Output voltage: DC 5V Output current: 1000 mA
Dimension and Weight	
Dimension	111 mm(L) × 24 mm(W) × 22 mm(H)
Weight	About 45 g (including a lithium battery)

