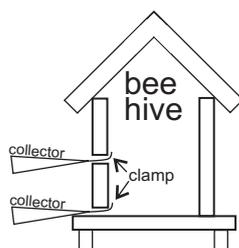
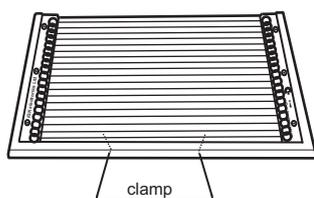
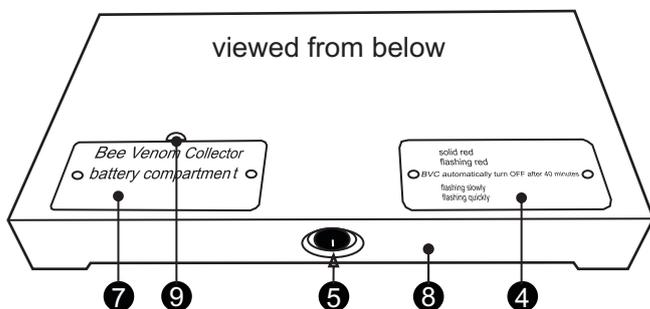
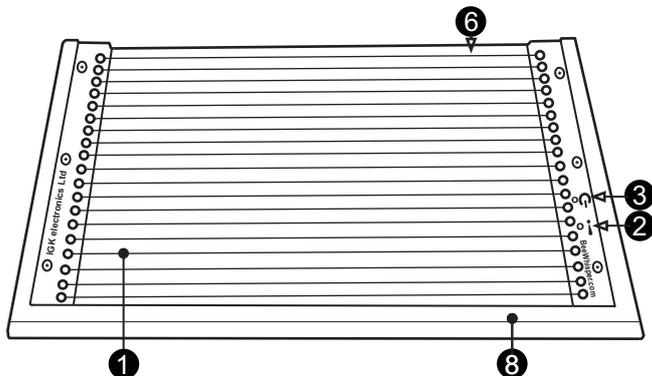


BVC-5 BeeWhisper
Bee Venom Collecting device

Quick Start Guide



English

1. Operative wires; 2. Red LED; 3. Green LED; 4. Electronics compartment; 5. Switch On/Off key; 6. Glass sliding space under the operative wires; 7. Battery compartment; 8. Housing made of solid wood; 9. Place to pull out the battery compartment cover.

Getting started: Take out the unit from the transport box. Remove the glass, unpack it and put it back where it was. Place the unit at the beehive entrance. Turn on the camera with the switch On/Off key (No. 5). The device starts to work and you will see the green LED, flashing slowly: three times – pause – three times. Every 50 sec. the camera shall pause for about 10 seconds. After about 45 minutes, the camera shall turn itself off. If the microprocessor has turned any of the automatic protections for the bees the working time of about 45 minutes shall extend with the protection time. You may switch off the device manually at any time.

Collecting the apitoxin: Once switching off the camera, remove the bees and pull out the glass. On its surface, you shall find adhering white crystals of bee venom. Scrape with the enclosed scraper. During the high season, from one hive you may collect from 0.2 to 0.6 g scraped honey venom per day. For larger amounts of bee venom, every 10 to 15 minutes tap lightly on the hive to get out more bees. You can also tap the camera to make fly out the bees that already have placed their poison. It is good practice for the hive, if after 45 minutes of venom collection you let it to about one hour rest. During this time you can use the camera to another hive.

Apitoxin storage: Store the bee venom scraped in dark glass bottles in the refrigerator. Bee venom with humidity of 10% can be stored in refrigerator up to 1 year. You may keep the lyophilized bee venom in the dark up to 5 years.

LED indicators showing the device status:

Green LED - Flashing slowly. The device has normal power supply and works properly. The operating cycle of 45 minutes is divided into 3 stages, each of about 15 minutes, for easier assessment of how much time remains for the device to switch off. The first phase - three flashes + pause. The second phase - 2 flashes + pause, and the third phase - 1 flash + pause. Slow flashes with reduced light intensity during 10 seconds pause every 50 seconds normal operation.

Green LED - Flashing quickly. The device has triggered one of the protections guarding the bees' health. It indicates that the bees' legs are highly humid or that there are too many bees on the device. After about 30 seconds, the camera checks again and if the state has changed, continues to work. If not, it again pauses for about 30 sec.

Red LED – continuously lighten. Indicates a short circuit between adjacent operating wires. Stretch the adjacent wires with pliers and twist at both ends.

Red LED - blinking slowly: exhausted batteries. Replace the batteries. Use only high quality batteries, type AA, 1.5 V, do not use rechargeable type AA batteries, 1.2 V.

Red LED flashes rapidly several times + one last longer flash. This is a signal that the unit turns itself off.

Changing the batteries: Unscrew the battery compartment two fastens on the device bottom. Replace the batteries observing correct polarity. Always use fresh alkaline batteries size AA (LR 6), Duracell, GP, Energizer, or the like. Do not use batteries rechargeable 1.2 V batteries. The device will not operate with them. With new alkaline batteries, the unit will work 3-4 months, 5-7 hours every day of the week.

Bracket for device easy placement in difficult places. To insert the device in front of the hive, you can use supplied bracket. On our website video gallery, you can see how to insert the bracket.

At the end of each workday, clean the operating wires with a damp disposable cloth for glasses or carefully with cotton and alcohol. Be careful, alcohol can damage the apparatus wooden housing varnish when it gets on it.

Safety measures: Take all precautions to ensure the safe handling of bees and bee venom. Always wear gloves, goggles, and mask covering nose and mouth. Make sure that the poison does not contact your eyes, nose, or mouth. Always work in pairs. Keep away from children or other people as well as animals: glass, camera, and bee venom. Do not store in a refrigerator where food is stored bee venom. Wash hands thoroughly after handling. Keep clothes used in the process separately from other clothes. **Warranty:** two years.

Delivery package includes: Apparatus for collection bee venom, glass, scraper, bracket, 2 AA size batteries.

For more details, visit our website or email us.



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