
MANUAL

WABENLÖTER

ELECTRONIC WIRE EMBEDDER

Article No: 122 00350



MANUFACTURER

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1. GENERAL DESCRIPTION

The *Wabenlöter* was specifically engineered for embedding beeswax sheets in frames making the process considerably easier, more time-effective and safer than before.

The *Wabenlöter* makes it possible for the beekeeper to adjust settings for heating power and heating duration, has electrical current monitoring, and informs the user through optical and acoustic signals about its operating status. Preset power limitations and the automatic shut-off prevent accidentally cutting through the beeswax sheet by energizing it too long or too intensively.

The embedding process can be handled with a fraction of the care and attention that was needed so far while ensuring consistent results.

The *Wabenlöter's* electronics monitor the current drain and shut off dangerous currents automatically, preventing short circuits and damages to persons or property. Additionally, the inner temperature is monitored to forestall any electrical overload of the device.

2. MODES

The *Wabenlöter* has four different user modes. Each of the modes will be signaled to you both by the two signal lights and the acoustic module.

Operating Status

The device is activated by pressing the power switch (3). Once it is ready the green signal light (5) turns on.

Search Mode

Contact both ends of the wire in the frame with the connecting cables that were included in the package. The electronics test the connection and if the contact is stable, the *Wabenlöter* goes into heating mode.

Heating Mode

In this mode the wire is being energized according to the settings of power and duration you have adjusted. During this process the red signal light (4) lights up continuously.

Error Mode

In case of a short circuit between the connecting cables, the electronics immediately shut off the electrical current to prevent dangerous situations. In error mode the device emits an acoustic signal and the signal lights (4 & 5) light up in turns. To use the



3. BEDIENFELD



1 Jacks for Contact Tips	4 Signal Light – Heating Mode On/off
2 Connectors	5 Signal Light – Operational/Error Mode
3 Power Switch	6 Dial – Heating Power
	7 Dial – Heating Duration

4. FIRST USE

1. Plug the power cord of the Wabenlötgerät into the socket.
2. Attach the connecting cables by inserting them into the appropriate connectors (2).
3. Turn on the device by pressing the power switch (3); once it is ready the green signal light (5) turns on.
4. Set the desired parameters: For this purpose, the Wabenlötgerät has two dials (6 & 7) that are used to adjust power and duration according to the scales printed on the device.
5. Touch the contact tips of the Wabenlötgerät to each end of the wire in the frame.
- 5.1. Once the device detects a suitable connection, four signal tones will be emitted while the red signal light (4) flashes on and off.



- 5.2. The start of the heating mode is signaled by the red signal light (4) lighting up steadily.
- 5.3. The end of the embedding process will be accompanied by a lengthy acoustic signal which will sound until the contact is undone. Only then the process can be started anew by making contact with the next frame.

5. RECOMMENDED SETTINGS

Frame	Power Dial	Duration Dial	Time Value
Normalmaß	60 %	30 %	3s
Dadant	90 %	30 %	3s
Zander	70 %	40 %	4s
Bayrischmaß	60 %	40 %	4s
Freudenstein	60 %	40%	4s

6. TECHNICAL DATA

Mains Voltage	230 V AC / 50-60 Hz
Output Voltage	38 V AC
Nominal Current	5,8 A
Measurements (L x W x H)	124 x 124 x 101 mm
Weight	3,2 kg

Protection from electrical overload through temperature switch ($\vartheta = 110^{\circ} \text{C}$)

Protection from short circuits through electrical current monitoring



Disposal note: This electronic device must not be disposed of in normal household waste, but only in accordance with local regulations and in an environmentally safe manner, e.g. through authorised disposal and recycling specialists or at collection points.