

User Manual
TN100
Paraffin Trimmer



Read Prior to Operation!
Always keep this manual near the unit!

WP47776
10.22.15

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1 | General Summary

The **Tanner Scientific® TN100 Paraffin Trimmer** provides a quick and efficient way to remove excess wax from paraffin cassettes, making them easier to fit into the microtome. With a footprint smaller than a shoebox, the tabletop unit easily fits in tight lab settings. The paraffin trimmer comes with disposable liners allowing for quick and easy cleanup of excess wax.

Features:

- Memory function to keep desired temperature.
 - Bright LED display.
 - Ultra-fast heating element.
 - Easy-to-empty wax collection tray.
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2 | Technical Parameters

Surface Size: 59" x 8.7"

Temperature Range: Ambient $\pm 75^{\circ}\text{C}$

Precision: $\pm 1\%$

Voltage: 110V $\pm 10\%$ 60HZ

Power: 120W

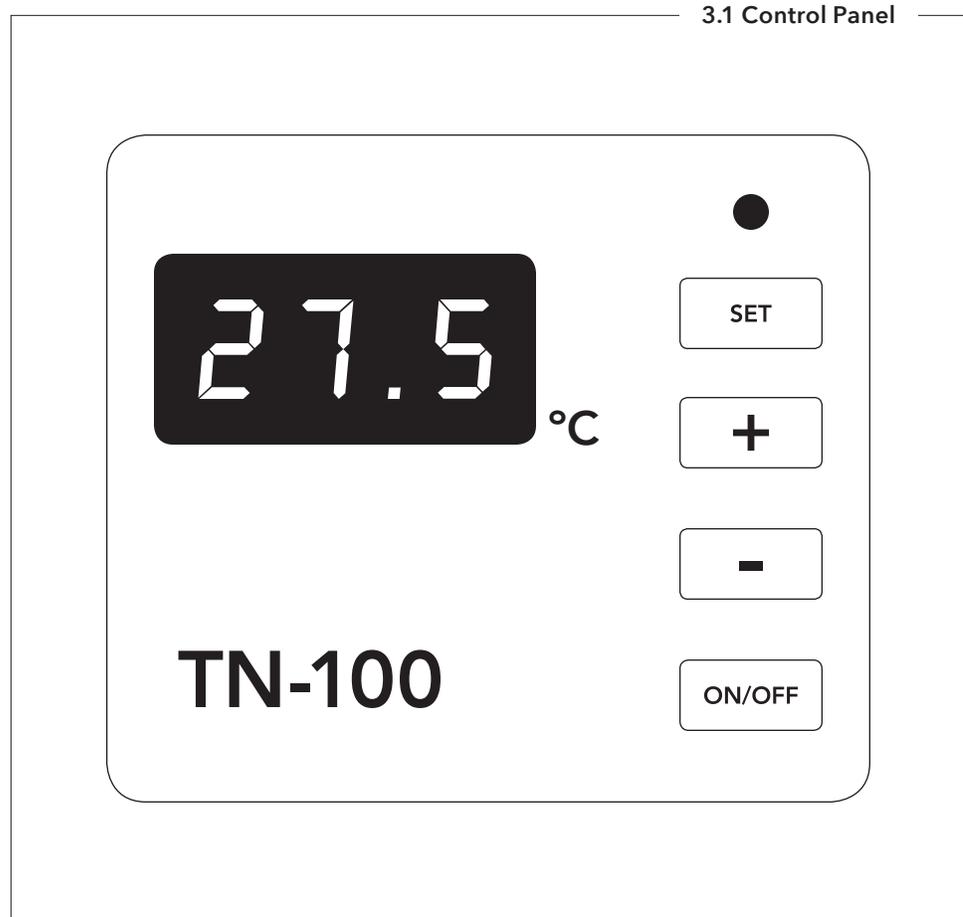
Current: 0.5A

Fuse: F1A/AC250V

Overall Dimensions: 8.66"L x 6.29"W x 6.89"H

Net Weight: 5.5lbs

3 | Equipment Overview



The control panel has four keys which operates the following functions:

- 1) **ON/OFF:** Press to turn on the instrument.
Press again to turn off the instrument.
- 2) **SET:** This key is active when system is in “stop heating” mode. Press to enter into the temperature setting mode. The LED will turn green, displaying a set temperature value. This temperature value can be adjusted by (+) or (–) key.
Note: This key is inactive when unit is in heating mode.
- 3) **(+) Key:** Active when the system is in temperature setting mode.
Press this key to raise the temperature. Key is inactive in any other mode.
- 4) **(–) Key:** Active when the system is in temperature setting mode.
Press this key to reduce the temperature. Key is inactive in any other mode.

4 | Operation

Connect the power cord before turning on the power switch. The LED light indicates the instrument has been powered on. The unit is now in a “stop heating” mode and shows the display’s current temperature.

- 1) Press the **SET** key. The LED light turns green and displays the set temperature. To adjust the temperature value, press the **(+)** or **(-)** keys until the required temperature is reached.
- 2) Press the **ON/OFF** key again. The instrument will start heating and the set temperature is now saved and always available. The temperature doesn’t need to be reset when turning the unit on the next time. If the present temperature is lower than the set temperature, the LED will flash red. The frequency of the flashing changes with temperature. When the present temperature reaches the set temperature, the LED turns orange. This indicates the system is now stable and will only fluctuate within 1°.
- 3) To stop heating, press the **ON/OFF** key again and the LED turns off. The system will now stop heating.

5 | Warranty & Service

Tanner Scientific® warrants this product for a period of one year from the date of purchase, provided that the customer complies with the rules of this manual. Extended warranties are available. Contact Tanner Scientific® at 888.708.5233 for more information. Tanner Scientific® will not be responsible for the damage and other problems caused by abuse and misuse of the instrument.

Service Information

If you require any service or parts during the warranty period, please contact **Tanner Scientific® at 888.708.5233** or the sales agent who sold you the unit. Prior to calling, please have the instrument model and serial number ready.

Amendment

Tanner Scientific® reserves the right to change the technical parameters of any model for improving the function of our instruments.

Quality Guarantee

- Tanner Scientific® will ensure that every instrument sold has been strictly examined to ensure it meets our stringent quality and technical standards.
- Service terms are only provided for those who regularly use the instrument and operate the instrument according to its instructions.

Disposal of Unwanted Instruments

Discarding the instrument and its parts should be done according to current laws and regulations.



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Information

The information, notes, and figures that appear in this user manual represent the present state of knowledge as we comprehend it. Due to continuous improvements in technology and manufacturing technique, specific and manufacturing procedures may change.

For inaccurate statements, drawings, and technical illustrations in this user manual we exclude liability as far as permissible. No liability is accepted for any monetary loss or consequential damage caused by or related to compliance with statements or other information in this user manual. Tanner Scientific® will update the manual as needed according to the latest technological developments.

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Statements, drawings, illustrations and other information regarding contents or technical details of the present user manual are not to be considered as warranted characteristics of our products. These are determined only by the contract provisions agreed between us and our customers.

Refer to the name plate on the back of the unit for the serial number and manufacturing date of this instrument.

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