



User Manual

TN350

Tissue Flotation Bath



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

WP47774
06.02.15

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1 | General Summary

The **TN350 Tissue Flotation Bath** is used for heating a tissue ribbon before placing it on a slide for reading. Its small size and light weight make it a practical instrument for pathology labs, hospitals, medical schools and scientific research institutions.

Features:

- Instrument heats up quickly.
 - Precise temperature settings.
 - Easy-to-operate.
 - Easy-to-control LED digital display.
 - Memory and recovery function.
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2 | Installation

- The instrument should be installed with a grounding socket.
- A three-line grounded power source is needed. A non-grounded power circuit is **NOT** recommended with this machine.

Delivery

- When transporting the package, handle with care, avoid getting wet, and keep in an upright position.
 - If the outer package is damaged seriously, do **NOT** open and immediately contact Tanner Scientific® at 888.708.5233, and the transportation carrier.
 - Unpack the box and remove all components.
 - Place unit on a stable platform within the lab.
 - **DO NOT PUT THE INSTRUMENT NEAR ANY EXPLOSIVE OR FLAMMABLE MATERIALS.**
 - Water bath should be stored in a clean and ventilated room in which humidity is less than 80%.
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3 | Safety

- Before powering on, ensure there is enough water in the instrument.
 - Be careful when pouring water into the pan and avoid splashing water on the instrument.
 - The keys on the main control panel should be pressed gently.
 - The instrument should be placed on a level surface and in a ventilated place.
 - Avoid placing near a heat source.
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4 | Technical Parameters

Tissue Bath Volume: 9.45" x 7.09" x 2.13"

Temperature Range: Room Temperature to 75°C

Voltage: AC 110±10%, 50Hz

Power: ≤550VA

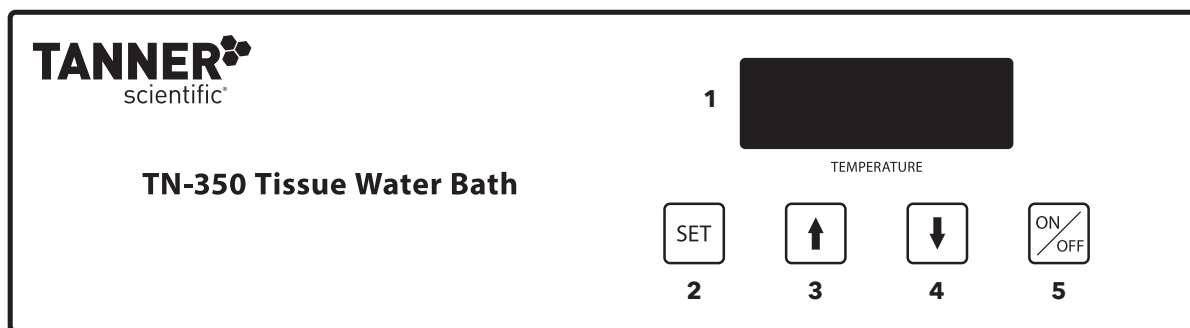
Fuse: (2) 3AMP

5 | Equipment Overview

5.1 TN350 Waterbath



5.2 Main Control Panel



1 - Temperature Screen

2 - Set Key

3 - Temperature Increase

4 - Temperature Decrease

5 - Power On/Off Key

6 | Operation

Getting Started

- 1) Pour water into the tank, filling it to about 2/3 full.
- 2) After plugging in the power cord, turn on the switch. The number displayed will be the current temperature of the water bath (°C)
- 3) If desired temperature is displayed, press the **ON/OFF** key to begin the heating process. If changes need to be made to the temperature, follow the temperature setting instructions below.

Setting the Temperature

- 1) Use **↑** or **↓** to adjust to the desired temperature.
- 2) Press the **ON/OFF** key to initiate heating process.

Shutting Down

- 1) Press the **ON/OFF** key to discontinue the heating process.
 - 2) Switch the main power switch to the **(O) OFF** position.
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7 | Cleaning & Maintenance

Cleaning

- Before you clean the equipment, turn off the power switch and pull out the power socket.
- Only household cleaners should be used for disinfecting the instrument. Acetone and benzene will damage the paint on the instrument's surface.
- Use a damp cloth to wipe it clean.
- Equipment should be cleaned daily.

Maintenance

- **Changing the Fuse:** Keep the model and the specifications of the new fuse the same. **(Refer to the Technical Parameters).**

8 | Troubleshooting

Waterbath		
PROBLEMS	CAUSES	ELIMINATION
+ No response when trying to turn on.	+ Power line is not connected. + Switch isn't turned on. + Fuse is not connected well or may be burned out.	+ Connect power line, turn on again. + Press the switch and ensure that the indicator light is on. + Check fuse, replace if necessary.
+ TRAY HEAT indicator is off when working.	+ Magnetic On/Off switch may be dislocated.	+ Adjust the position of Magnetic On/Off switch
+ TRAY HEAT indicator is on but does NOT heat.	+ Heater is damaged. + Temperature sensor is NOT functioning. + Temperature sensor may be damaged.	+ Contact technical support at 888.708.5233 .

9 | 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.



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.

Distributed by
Tanner Scientific
1073 Tallevast Rd
Sarasota, Florida 34243

888.708.5233
Info@TannerScientific.com
www.TannerScientific.com



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