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› [VIVOSUN 10"x 20.75" Seedling Heat Mat and Digital Thermostat Combo Set Instruction Manual](#)

VIVOSUN VS-330101

VIVOSUN 10"x 20.75" Seedling Heat Mat and Digital Thermostat Combo Set Instruction Manual

Model: VS-330101

1. INTRODUCTION

The VIVOSUN 10"x 20.75" Seedling Heat Mat and Digital Thermostat Combo Set is designed to provide optimal temperature control for plant germination, cutting propagation, and rooting. This reliable and durable heating solution ensures a warm environment for your plants, accelerating growth rates and improving overall success in indoor gardening and greenhouse applications.



Image: VIVOSUN 10"x 20.75" Seedling Heat Mat and Digital Thermostat Combo Set, showing the mat, thermostat, and temperature probe.

2. SAFETY INFORMATION

- **Indoor Use Only:** Please only use the product indoors and do not immerse it in water.
- **Polarized Plug:** This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.
- **Placement:** Place the heating pad flat on the surface when using. Avoid folding the heating pad when using or storing.
- **Sharp Objects:** Keep the heating pad away from sharp objects to prevent damage.

3. PRODUCT FEATURES

- **Reliable Results:** Maintains optimal temperatures around 68-86°F (20-30°C), ideal for seedling starts and cutting propagation. Made from durable PVC material.

- **Stable & Uniform Heat:** Advanced far-infrared heating technology provides a warm environment for speeding up germination and accelerating growth. Strengthened heating film with double insulation layers prevents scorching roots and produces invigorating dew when used with a humidity dome.
- **Built to Last:** Designed with soft, flexible, and ultra-lasting material, meeting stringent MET standards. IP67-rated waterproof surface is easy to clean.
- **Energy Efficient:** Runs on only 20 Watts to help save electricity.
- **Versatile Use:** Combined with the VIVOSUN thermostat, it can be used for plant sprouting, indoor gardening, home brewing, and terrarium warming.
- **Innovative Heating:** Radiates far-infrared light waves, providing soft and sufficient heat, capable of reaching up to 104°F (40°C) at an ambient temperature of 68-77°F (20-25°C) in minutes.



Image: Diagram illustrating the multi-layered structure of the heat mat for even and safe heating.



Image: Illustration of far-infrared heating technology providing uniform heat distribution to seedlings.

Optimizes Germination Conditions

Accelerates sprouting and improves viability of seeds or cuttings.



Image: Seedlings thriving on the heat mat, indicating optimal germination conditions.

4. SETUP

- 1. Placement:** Place the heat mat on a well-drained, flat surface without standing water. For warmer mat temperatures, place it on an insulated surface rather than a cold floor.
- 2. Connect Thermostat:** Plug the heat mat's power cord into the thermostat's outlet.
- 3. Connect to Power:** Plug the thermostat into a 120V power source.
- 4. Position Probe:** Insert the temperature probe into the soil or growing medium of your plant tray. For terrarium use, place the probe in the desired area to monitor temperature.
- 5. Humidity Control:** Covering your plant tray with a humidity cover or dome will help keep the root area warmer and maintain humidity control for better rooting.



Plant Sprouting

Seedling Heat Mat



Terrarium Warming



Indoor Gardening



Home Brewing

Image: Various applications of the VIVOSUN heat mat, including plant sprouting, terrarium warming, indoor gardening, and home brewing.

5. OPERATING INSTRUCTIONS

- 1. View Current Temperature:** Press the 'Set' button once to view the current target temperature.
- 2. Set Target Temperature:** Press and hold the 'Set' button for 3 seconds until the display flashes. Use the 'Up' and 'Down' arrows to adjust the desired temperature. Press 'Set' again to confirm.
- 3. Switch Temperature Units:** Press and hold the 'Up' arrow for Fahrenheit or the 'Down' arrow for Celsius to switch between units.
- 4. Monitoring:** The thermostat will display the actual temperature measured by the probe. The 'Heating' indicator light will illuminate when the mat is actively heating.

Adjustable Digital Thermostat

40-108°F
(5-42°C)



Image: Close-up of the VIVOSUN digital thermostat showing temperature display and control buttons.

Video: Demonstrates the key features and operation of the VIVOSUN Heat Mat and Digital Thermostat, including temperature setting and probe usage.

6. MAINTENANCE

- **Cleaning:** The IP67-rated waterproof surface of the heat mat is easy to clean. Use a damp cloth to wipe it down. Do not immerse the mat in water.
- **Storage:** When not in use, roll up the heat mat and store it in the provided carrying bag. Ensure the mat is clean and dry before storage.

7. TROUBLESHOOTING

- **Mat Not Heating:**
 - Check that the mat is securely plugged into the thermostat and the thermostat is plugged into a working power outlet.
 - Verify that the 'Heating' indicator light on the thermostat is on. If not, check your temperature

settings.

- Ensure the ambient temperature is not too low. The mat is designed to raise soil temperature approximately 10-20°F (6-12°C) above ambient air temperature. If the ambient temperature is very cold (e.g., 45°F), the mat may struggle to reach higher target temperatures (e.g., 73°F).

- **Inaccurate Temperature Readings/Fluctuations:**

- Ensure the temperature probe is properly inserted into the soil or medium and is not exposed to air.
- Avoid placing the mat on extremely cold surfaces, which can affect its ability to maintain a consistent temperature.

- **Thermostat Display Issues:** If the display shows '0.0' or other unusual readings, try unplugging and re-plugging the thermostat to reset it. If the issue persists, contact customer support.

8. SPECIFICATIONS

Product Dimensions	4.33 x 4.33 x 10.63 inches
Item Weight	1 pound
Manufacturer	VIVOSUN
ASIN	B016MKY7C8
Item Model Number	VS-330101
Voltage	120V AC
Wattage	20 Watts
Temperature Range	0-40°C (32-104°F)
Power Cord Length	5.9 ft.

Specifications

Voltage	120V AC	Wattage	20W
Product Size	10" x 20.75"	Temperature Range	0-40°C(32-104°F)

5.9 ft.
Power Cord Length



Image: Overview of the VIVOSUN heat mat, thermostat, and probe, detailing product specifications.

9. WARRANTY INFORMATION

Specific warranty details are not provided in this manual. Please refer to the product packaging or contact VIVOSUN customer support for comprehensive warranty information.

10. CUSTOMER SUPPORT

For further assistance, technical support, or product inquiries, please visit the official VIVOSUN website or contact their customer service department. You can also refer to the [VIVOSUN Store on Amazon](#) for more information.