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SunSun AWD-500

SunSun AWD-500 Digital Thermometer User Manual

For Aquariums and Terrariums

1. Introduction

The SunSun AWD-500 Digital Thermometer is designed for precise and convenient temperature monitoring in both aquariums and terrariums. Featuring a clear LCD display, sensitive touch controls, and an adhesive backing for easy installation, this device provides accurate temperature readings to help maintain optimal conditions for your aquatic or reptilian inhabitants.

2. Safety Information

Please read and understand all safety instructions before using the SunSun AWD-500 Digital Thermometer. Failure to follow these instructions may result in product damage or injury.

- This device is intended for indoor use only.
- Do not immerse the main thermometer unit in water. Only the external sensor (if applicable) or the adhesive side should be in contact with the tank exterior.
- Keep the device out of reach of children and pets.
- Use only the specified battery type (not included, typically button cell). Ensure correct polarity when inserting batteries.
- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- If the device malfunctions or is damaged, discontinue use immediately.

3. Package Contents

Verify that all items are present and in good condition upon opening the package:

- 1x SunSun AWD-500 Digital Thermometer

4. Product Overview

The SunSun AWD-500 features a compact design with a large, easy-to-read LCD display. Its sensitive touch interface allows for quick activation and temperature display.



Figure 1: Front view of the SunSun AWD-500 Digital Thermometer, highlighting its large screen and clear temperature display.



Figure 2: The thermometer showcasing its sensitive touch feature for quick activation and temperature display.

Key components include:

- **LCD Display:** Shows the current temperature.
- **Sensitive Touch Area:** Activates the display from standby.
- **Temperature Sensor:** Integrated for precise readings.
- **Adhesive Backing:** For secure external mounting on glass or acrylic.
- **Battery Compartment:** Located on the back for battery installation.

5. Setup

Follow these steps to set up your SunSun AWD-500 Digital Thermometer:

1. **Install Battery:** Locate the battery compartment on the back of the thermometer. Open it and insert the required button cell battery (e.g., CR2032, not included) ensuring the correct polarity (+/-). Close the compartment securely.

2. **Prepare Mounting Surface:** Clean the exterior surface of your aquarium or terrarium where you intend to place the thermometer. Ensure it is dry and free of dust or grease for optimal adhesion.
3. **Attach Thermometer:** Remove the protective film from the adhesive backing of the thermometer. Firmly press the thermometer onto the cleaned surface of your tank. Ensure good contact for accurate temperature transfer.



Figure 3: Rear view of the thermometer, indicating the battery compartment and the area for adhesive mounting.

6. Operating Instructions

The SunSun AWD-500 Digital Thermometer is designed for simple operation:

- **Power On/Off:** The device typically enters a standby state to conserve battery. To activate the display, gently touch the sensitive touch area on the front of the thermometer. The temperature will be displayed for approximately 5 seconds before returning to standby.
- **Reading Temperature:** The large LCD display will show the current temperature in degrees Celsius (°C). The thermometer provides a fast reading system for quick updates.
- **Temperature Accuracy:** The device is equipped with a high-quality sensor chip, providing precise

temperature measurements with an accuracy of ±0.1°C.

7. Maintenance

To ensure the longevity and accurate performance of your thermometer, follow these maintenance guidelines:

- **Cleaning:** Wipe the exterior of the thermometer with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Battery Replacement:** When the display becomes dim or stops working, it's time to replace the battery. Open the battery compartment on the back, remove the old battery, and insert a new one of the same type, observing polarity.
- **Storage:** If storing the thermometer for an extended period, remove the battery to prevent leakage. Store in a cool, dry place.

8. Troubleshooting

If you encounter issues with your SunSun AWD-500 Digital Thermometer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery. Incorrect battery installation.	Replace the battery with a new one, ensuring correct polarity.
Inaccurate temperature reading.	Poor contact with tank surface. Sensor obstruction.	Ensure the thermometer is firmly attached to a clean, dry tank surface. Verify no obstructions between the thermometer and the tank wall.
Display does not activate with touch.	Battery issue. Faulty touch sensor.	Check or replace the battery. If the issue persists, contact customer support.

9. Specifications

Detailed specifications for the SunSun AWD-500 Digital Thermometer:

- **Brand:** SunSun
- **Model:** AWD-500
- **Display Type:** Digital LCD
- **Material:** Plastic
- **Special Features:** Fast reading system, Sensitive Touch, High-precision measurement
- **Temperature Accuracy:** ±0.1°C
- **Components Included:** Thermometer



Figure 4: Illustration of the high-precision sensor chip, ensuring accurate temperature readings within ±0.1°C.

10. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

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