

## Pilipane TS W53

# Pilipane Bimetal Dial Thermometer Model TS W53 Instruction Manual

## INTRODUCTION

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The Pilipane Bimetal Dial Thermometer Model TS W53 is a robust and accurate instrument designed for measuring medium and low temperatures in various industrial and scientific applications. This manual provides essential information for the safe and effective use of your thermometer, ensuring optimal performance and longevity.

## SAFETY INFORMATION

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- Read and understand all instructions before operating the device.
- Do not expose the thermometer to temperatures outside its specified operating range (0-120°C).
- Handle the thermometer with care to prevent damage to the probe or dial.
- Ensure the probe is securely placed in the measurement environment to avoid inaccurate readings or damage.
- Keep the device away from strong magnetic fields or corrosive substances.
- This device is not intended for medical use.

## PRODUCT OVERVIEW

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The Pilipane Bimetal Dial Thermometer Model TS W53 features a clear analog dial for easy temperature readings and a durable ABS casing. It is equipped with a bimetallic sensing element and a probe for direct temperature measurement. Some models include an electric contact feature for automated control signals.

### Key Features:

- **Fast Response Speed:** Provides quick temperature updates.
- **Compact Size:** Designed for easy integration and portability.
- **Good Linearity:** Ensures consistent and reliable measurements across its range.

- **Vibration Resistant:** Built to withstand industrial environments.
- **Easy to Read:** Clear analog dial for straightforward temperature monitoring.
- **Electric Contact (Optional):** Capable of sending control signals to cut off power or trigger alarms when a set temperature is reached.



Image showing the Pilipane Bimetal Dial Thermometer, featuring its round dial, ABS casing, and the coiled tube leading to the temperature sensing probe.

## SETUP

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### Unpacking

Carefully remove the thermometer from its packaging. Inspect the device for any visible damage before proceeding with installation.

### Placement and Installation

Identify the precise location where temperature measurement is required. Insert the thermometer's probe directly into the medium (gas, liquid, or steam) whose temperature is to be measured. Ensure the entire sensing portion of the probe is immersed for accurate readings. For models with an electric contact feature, ensure proper wiring to the control system or alarm unit according to your system's requirements. Consult a qualified electrician if you are unsure about the wiring process.



### Applications

Designed for accurate temperature readings, ideal for reptile plant glass containers, incubators, greenhouses, or other pet animal applications.



Image illustrating the Pilipane Bimetal Dial Thermometer in an application setting, demonstrating how the probe can be positioned to measure ambient temperature.

## OPERATING INSTRUCTIONS

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### Taking a Temperature Reading

Once the probe is correctly positioned, allow a few moments for the thermometer to stabilize. The needle on the analog dial will then indicate the current temperature in degrees Celsius (°C).

### Using the Electric Contact Feature (if applicable)

For models equipped with an electric contact, you can set a desired temperature threshold. When the measured temperature reaches this threshold, the thermometer will automatically send a control signal. This signal can be used to activate an alarm, shut off a heating element, or trigger other control actions. Refer to your control system's manual for specific integration details.



A close-up view of the thermometer's dial, clearly showing the temperature scale from 0 to 120 degrees Celsius and the indicator needle.

## MAINTENANCE

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### Cleaning

To clean the thermometer, gently wipe the dial and casing with a soft, damp cloth. Do not use abrasive cleaners or immerse the entire unit in water. Ensure the probe is clean of any residue that might affect readings.

### Storage

When not in use, store the thermometer in a dry, cool place, away from direct sunlight and extreme temperatures. Protect the probe from physical damage.

### Calibration

The Pilipane Bimetal Dial Thermometer is factory-calibrated for accuracy. Field calibration is generally not required. If you suspect inaccurate readings, refer to the troubleshooting section or contact customer support.

## TROUBLESHOOTING

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### Inaccurate Readings

- **Check Probe Placement:** Ensure the probe is fully immersed in the medium being measured.
- **Environmental Factors:** Verify that there are no external heat sources or drafts affecting the probe or the thermometer's body.
- **Damage:** Inspect the probe and casing for any signs of physical damage.

### No Movement on Dial

- **Temperature Range:** Confirm that the measured temperature is within the thermometer's operating range (0-120°C).
- **Physical Damage:** Check for any obstructions or damage to the needle mechanism.

If issues persist after following these steps, please contact customer support for further assistance.

## SPECIFICATIONS

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Feature	Detail
Model	TS W53
Brand	Pilipane
Material	ABS, Glass
Temperature Range	0-120°C
Display Type	Analog
Response Time	0.5 seconds
Item Weight	0.07 Kilograms
Special Features	High Accuracy, Electric Contact (optional), Vibration Resistant



Image showing the rear of the Pilipane Bimetal Dial Thermometer, highlighting its compact design and potential mounting points or connection terminals for electric contact models.

## WARRANTY AND SUPPORT

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### Warranty Information

Pilipane products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims. Specific warranty duration and terms may vary; refer to your purchase documentation for details.

### Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Pilipane customer support through the retailer where the product was purchased or visit the official Pilipane brand store on Amazon: [Pilipane Store](#).