Parkside PTI 380 B1

Parkside PTI 380 B1 Infrared Thermometer User Manual

Model: PTI 380 B1

1. INTRODUCTION

The Parkside PTI 380 B1 Infrared Thermometer is designed for quick and accurate non-contact surface temperature measurements. It is an ideal tool for identifying thermal bridges and areas at risk of mold formation. This manual provides essential information for the safe and proper operation of your device.

2. SAFETY INFORMATION

WARNING! Do not look directly into the laser beam. Direct exposure to the laser can cause eye damage.

- Always handle the device with care.
- Do not attempt to disassemble or modify the device.
- Keep the device away from water and extreme temperatures.
- Ensure proper battery disposal.

3. PRODUCT OVERVIEW

The Parkside PTI 380 B1 features an ergonomic design with a soft-grip handle for comfortable use. It includes an 8-point laser for precise targeting of the measurement area and a color display with audible signals for easy interpretation of results.

Figure 1: Overall view of the Parkside PTI 380 B1 Infrared Thermometer.

Figure 2: Side view of the thermometer, highlighting the trigger and control buttons.

Figure 3: Front view, showing the infrared sensor and the 8-point laser aperture.

Components:

- Infrared Sensor
- 8-Point Laser
- LCD Color Display
- Measurement Trigger

- Mode Selection Buttons
- Unit Selection Button (°C/°F)
- Battery Compartment (located in the handle)

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the handle of the device.
2. Open the cover.
3. Insert the included battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

The device includes a battery change indicator on the display to alert you when the battery level is low.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the measurement trigger to power on the device. The device will automatically shut off after approximately 60 seconds of inactivity to conserve battery life.

5.2 Selecting Measurement Units

Press the **°C/°F SET** button to switch between Celsius (°C) and Fahrenheit (°F) temperature units.

5.3 Measurement Modes

The device offers two operating modes: **Easy Measurement** and **Reference Measurement**.

5.3.1 Easy Measurement

In this mode, simply point the thermometer at the surface you wish to measure and press the trigger. The current surface temperature will be displayed.

5.3.2 Reference Measurement

This mode is ideal for comparing a measured temperature against a set reference value, useful for detecting thermal bridges or potential mold areas. You can select reference levels of ± 0.5 °C, ± 3 °C, or ± 5.5 °C.

1. Set your desired reference temperature.
2. Point the thermometer at the surface.
3. The display will show a color and emit an audible signal based on the difference between the measured value and the reference value:

    - **Blue:** The measured temperature is colder than the reference value.

- **Red:** The measured temperature is warmer than the reference value.
- **Green:** The measured temperature is approximately the reference value.

Figure 4: Display examples showing blue (colder), red (warmer), and green (approximate) indications relative to a reference temperature.

5.4 Taking a Measurement

1. Aim the 8-point laser at the center of the area you wish to measure. The laser points define the measurement spot.
2. Press and hold the measurement trigger.
3. The temperature reading will appear on the display.
4. Release the trigger to hold the last measurement.

Figure 5: Using the thermometer to measure the surface temperature of a stove top.

Figure 6: Application example: measuring temperature around a fireplace to detect heat loss.

6. MAINTENANCE

6.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the infrared sensor lens and laser aperture are kept clean for accurate readings.

6.2 Battery Replacement

When the battery indicator appears on the display, replace the battery as described in the "Battery Installation" section (4.1). Always use the correct type of battery.

6.3 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures, when not in use for extended periods.

7. TROUBLESHOOTING

- **Device does not power on:** Check if the battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate readings:** Ensure the sensor lens is clean and free from obstructions. Make sure the measurement distance is appropriate for the target size.
- **Laser not visible:** Check if the laser function is enabled (if applicable) and ensure the battery has sufficient charge.

If problems persist, contact customer support.

8. SPECIFICATIONS

Feature	Specification
Operating Modes	Easy Measurement / Reference Measurement
Measurement Range	-50 °C to +380 °C (-58 °F to +716 °F)
Measurement Deviation (> 0 °C)	± 1.5 °C
Measurement Deviation (< 0 °C)	± 3 °C
Selectable Reference Levels	± 0.5 °C / ± 3 °C / ± 5.5 °C
Measurement Units	°C and °F
Automatic Shut-off	Approx. 60 seconds
Material	Plastic
Dimensions (L x W x H)	Approx. 17.6 x 11 x 4.2 cm (6.9 x 4.3 x 1.7 inches)
Weight	Approx. 260 g (0.57 lbs)
Manufacturer	OWIM GmbH & Co. KG
Included Components	Measuring device, Battery

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer. Keep your proof of purchase for any warranty claims.
Manufacturer: OWIM GmbH & Co. KG