

## GP-100

# GP-100 Plus Hand-free Wall Mounted Digital Infrared Thermometer User Manual

Model: GP-100 | Brand: Generic

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the GP-100 Plus Hand-free Wall Mounted Digital Infrared Thermometer. This device is designed for non-contact temperature measurement, offering a convenient and hygienic solution for various indoor environments. Please read this manual thoroughly before operation and retain it for future reference.

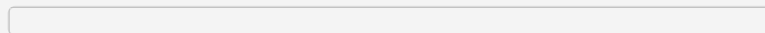


Figure 1: GP-100 Plus Hand-free Wall Mounted Digital Infrared Thermometer.

## 2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the device:

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the thermometer. Refer all servicing to qualified personnel.
- Keep the infrared sensor clean and free from obstructions for accurate readings.
- This device is intended for indoor use only.
- Use only the specified power source (Battery Powered or USB DC 4.2-5V).

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GP-100 Plus Infrared Thermometer
- Mounting hardware (screws, adhesive tape)
- USB Data Cable
- Instruction Manual / Certificate

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your GP-100 Plus thermometer:

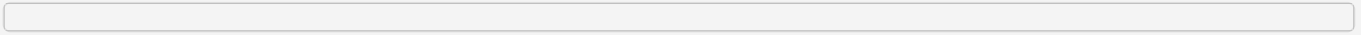


Figure 2: Key components of the GP-100 Plus Infrared Thermometer.

- **Infrared Probe:** Sensor for non-contact temperature measurement.
- **Temperature Display:** Digital screen showing temperature readings.
- **Alarm Light:** Indicates abnormal temperature readings.
- **Buzzer:** Provides audible alerts.
- **USB Charging Port:** For power supply and charging.
- **Machine Mount / Adhesive Bit:** For wall mounting.

## 5. SETUP AND INSTALLATION

The GP-100 Plus is designed for easy wall-mounted installation. Follow these steps:

1. **Choose a Location:** Select a suitable indoor wall location, away from direct sunlight, air conditioning vents, or heat sources, which could affect accuracy.
2. **Mounting:**
  - **Using Adhesive Tape:** Peel off the protective film from the double-sided adhesive tape provided and firmly press the thermometer onto the desired wall surface. Ensure the surface is clean and dry.
  - **Using Screws:** Mark the positions for the mounting screws on the wall using the thermometer's mounting holes as a guide. Drill pilot holes if necessary, insert wall anchors (if required), and secure the thermometer with the provided screws.
3. **Power Supply:**
  - Insert batteries into the battery compartment (if applicable, battery type not specified, assume standard AA/AAA or internal rechargeable).
  - Alternatively, connect the provided USB data cable to the USB charging port on the thermometer and plug the other end into a compatible USB power adapter (DC 4.2-5V) or a computer USB port.
4. **Initial Power On:** The device will power on automatically once connected to a power source or batteries are inserted. The display will light up.

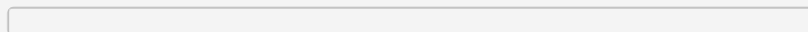


Figure 3: Front view of the thermometer with digital display.

## 6. OPERATING INSTRUCTIONS

The GP-100 Plus operates hands-free, providing quick and accurate temperature readings:

1. **Measurement Distance:** Ensure the object or person to be measured is within the optimal measuring distance of 5cm to 10cm from the infrared sensor.
2. **Automatic Measurement:** The thermometer will automatically detect the presence of an object/person within its measuring range and initiate a temperature reading.
3. **Reading Display:** The measured temperature will be displayed on the digital screen.

- Alarm Function:** If the measured temperature exceeds a preset threshold (e.g., indicating a fever), the alarm light will activate, and the buzzer may sound. Refer to the device's internal settings for specific alarm thresholds (not user-adjustable via external buttons).
- Standby Mode:** The device will enter standby mode after a period of inactivity (approximately one week standby time on battery, or continuous operation when powered via USB).

## 7. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your thermometer:

- Cleaning:** Use a soft, dry cloth to clean the device. For stubborn dirt, a cloth lightly dampened with water or mild disinfectant can be used. Do not use abrasive cleaners or immerse the device in water.
- Sensor Care:** Gently clean the infrared sensor with a cotton swab or soft cloth to ensure accurate readings. Avoid touching the sensor directly with fingers.
- Battery Replacement:** If the device is battery-powered and the display indicates low battery or fails to power on, replace the batteries with new ones of the correct type and polarity.
- Storage:** When not in use for extended periods, store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures. If battery-powered, consider removing batteries for long-term storage.

## 8. TROUBLESHOOTING

If you encounter issues with your GP-100 Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power, low battery, or incorrect power connection.	Ensure batteries are correctly inserted or replace them. Verify USB cable is securely connected to a working power source.
Inaccurate temperature readings.	Sensor dirty, incorrect measuring distance, or environmental interference.	Clean the infrared sensor. Ensure measurement is taken within 5-10cm. Avoid strong drafts or direct heat/cold sources near the device.
Alarm constantly sounds.	High ambient temperature or object consistently triggering high temperature alarm.	Relocate the thermometer to a cooler environment if ambient temperature is high. Ensure objects being measured are not excessively hot.
Display shows "Lo" or "Hi".	Temperature is outside the measurable range.	Ensure the temperature being measured is within the operating range (0-50°C).

If the problem persists after trying these solutions, please contact customer support.

## 9. SPECIFICATIONS

Detailed technical specifications for the GP-100 Plus Infrared Thermometer:

Feature	Description
Model Name	GP-100 (Hand-free Wall-mounted)

Feature	Description
Product Name	Electronic Counter
Measurement Method	Non-Contact Infrared
Measuring Distance	5cm - 10cm
Measuring Range	0°C - 50°C (32°F - 122°F)
Operating Temperature	Recommended 15°C - 35°C (59°F - 95°F)
Power Supply	USB DC 4.2-5V / Battery Powered
Display Type	Digital
Dimensions (L x W x H)	175mm x 116mm x 140mm
Item Length	20 Centimetres
Item Weight	500 g (Net Weight: 263.5g without battery)
Outer Material	Plastic or Metal
Indoor/Outdoor Usage	Indoor
Manufacturer	Harbin Xiande Technology
Country of Origin	China

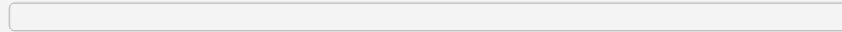


Figure 4: Product dimensions and packaging information.

## 10. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact the retailer.

For technical support, troubleshooting assistance, or inquiries regarding your GP-100 Plus thermometer, please contact your point of purchase or the manufacturer, Harbin Xiande Technology.

Manufacturer: Harbin Xiande Technology

Importer/Packer: Innovative Informatics