

DIKANG HG03

Dikang Infrared Forehead Thermometer HG03

User Manual

Model: HG03 | Brand: DIKANG

1. INTRODUCTION

The Dikang HG03 Infrared Forehead Thermometer is a non-contact digital device designed for accurate temperature measurement of both the human body and various surfaces. Utilizing infrared technology, it provides quick and reliable readings without physical contact, minimizing the risk of cross-infection. This manual provides essential information for the safe and effective operation of your thermometer.



Image 1.1: The Dikang HG03 Infrared Forehead Thermometer, showing its ergonomic design and display screen.

2. KEY FEATURES

- **Non-Contact Measurement:** Reads temperature from the forehead without physical contact, preventing cross-infection.
- **Versatile Use:** Suitable for infants, children, and adults. Can also measure the temperature of objects, rooms, bath water, food, and baby milk.
- **Fast and Accurate:** Provides quick and precise temperature readings with a measurement deviation of $\leq \pm 0.3$ degrees Celsius.
- **Three-Color Backlight:** LCD screen with backlight changes color to indicate temperature status (Green for normal, Yellow for slight fever, Red for high fever).
- **Fever Warning:** An audible short beep and red backlight activate when the temperature reaches 38 °C or higher.

- **Automatic Shut-off:** Low power consumption design; the device automatically turns off after approximately 20 seconds of inactivity.
- **Ergonomic Design:** Easy-grip handle for comfortable use.

3. PACKAGE CONTENTS

The package includes:

- 1 x Dikang HG03 Digital Infrared Thermometer
- User Manual (this document)

Note: Batteries are NOT included and must be purchased separately.

4. SETUP AND BATTERY INSTALLATION

Before first use, install the required batteries (not included) into the thermometer's battery compartment. Ensure correct polarity as indicated inside the compartment. Close the battery cover securely.

5. OPERATING INSTRUCTIONS

5.1. General Measurement Steps

1. Ensure the device is in the target measurement mode (Body or Surface).
2. Position the thermometer 3-5 cm (1-2 inches) away from the target. For forehead temperature, align it with the center of the forehead.
3. Press the measurement key (trigger) to initiate the reading.
4. The temperature reading will be displayed on the screen within approximately one second.
5. After the measurement is completed, the instrument will shut down in 20 seconds if there is no further operation.

ONE BUTTON MEASUREMENT WITHOUT WAITING



Image 5.1: Illustration of the one-button measurement process, showing the recommended distance of 3-5 cm from the forehead.

INSTRUCTIONS FOR USE

USING HIGH PRECISION PROBE
THE ERROR IS REDUCED TO 0.1 °C



MAKE SURE THE DEVICE IN TARGET
MODE IS 3-5CM AWAY FROM THE TARGET,
THEN PRESS THE MEASUREMENT KEY TO COMPLETE
THE MEASUREMENT AND DISPLAY THE RESULT ON THE SCREEN.
AFTER THE MEASUREMENT IS COMPLETED, THE INSTRUMENT WILL
SHUT DOWN IN 20 SECONDS IF THERE IS NO OPERATION.

Image 5.2: Detailed instructions for using the thermometer, emphasizing the 3-5 cm measurement distance and 20-second auto-shutdown feature.

6. MEASUREMENT MODES

The Dikang HG03 thermometer supports two primary measurement modes:

- **Body Temperature Mode:** For measuring human body temperature (forehead).
- **Surface/Object Temperature Mode:** For measuring the temperature of various surfaces or objects such as milk, food, bath water, or room temperature.

Use the mode selection button (often labeled 'Mode' or 'Body/Surface') to switch between these modes as needed.



Measuring body temperature

Farewell to traditional temperature measurement,
faster and more accurate



Voice prompt mode /
silent night mode



Error ± 0.2



Multi-purpose



Fever alert



Quick
temperature
measurement

Image 6.1: The thermometer being used to measure body temperature on an infant, highlighting its suitability for all ages.



Measuring temperature

Measure the temperature of objects,
such as milk, food and indoor temperature



Measuring water
temperature



Milk temperature
measurement



Measuring
temperature



Measuring room
temperature

Image 6.2: Examples of measuring various object temperatures, including milk, water, food, and room temperature.

7. BACKLIGHT AND FEVER INDICATION

The thermometer features an intelligent three-color backlight system to provide a visual indication of temperature status:

- **Green Backlight:** Indicates normal body temperature (typically $<37.3^{\circ}\text{C}$).
- **Yellow Backlight:** Indicates a slight fever (typically $37.3^{\circ}\text{C} - 38^{\circ}\text{C}$).
- **Red Backlight:** Indicates a high fever (typically $38.1^{\circ}\text{C} - 40^{\circ}\text{C}$). This is accompanied by a short beep alarm.

INTELLIGENT THREE-COLOR BACKLIGHT REMINDER

Three-color backlight warning showing temperature

GREEN

Normal: $\leq 37.3^{\circ}\text{C}$

YELLOW

High fever : 37.3°C - 38°C

RED

Fever: 38.1°C - 40°C



Image 7.1: Visual representation of the three-color backlight system indicating normal, slight fever, and high fever temperature ranges.

8. ACCURACY AND MEASUREMENT TIPS

The Dikang HG03 thermometer provides high accuracy with a measurement deviation of $\leq \pm 0.3$ degrees Celsius. For optimal accuracy:

- Ensure the measurement distance is consistently 3-5 cm from the target.
- Avoid taking measurements immediately after strenuous activity, bathing, or eating.
- Ensure the forehead is clean and dry, free from hair or sweat, when measuring body temperature.
- Allow the thermometer to acclimate to room temperature for at least 30 minutes if it has been stored in a significantly different environment.



ACCURATE INFRARED TEMPERATURE
MEASUREMENT WITH AN ERROR OF ± 0.2

Image 8.1: The thermometer demonstrating accurate infrared temperature measurement with a stated error of ± 0.2 degrees Celsius.

9. CARE AND MAINTENANCE

Proper care ensures the longevity and accuracy of your thermometer:

- **Cleaning:** Wipe clean the thermometer body and sensor lens with a soft cloth slightly dampened with alcohol or a mild disinfectant. Do not immerse the device in water or any cleaning solution.
- **Storage:** Store the thermometer in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Dispose of used batteries responsibly.
- **Avoid Impact:** Do not drop the thermometer or subject it to strong shocks.

10. TROUBLESHOOTING

If you encounter issues with your thermometer, consider the following:

- **No Display/Device Not Turning On:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate Readings:** Ensure correct measurement distance (3-5 cm) and proper mode selection (Body/Surface). Check for obstructions on the forehead (e.g., hair, sweat). Allow the device to acclimate to room temperature.
- **Error Message on Display:** Refer to the specific error code (if any) in the full product manual or contact customer support for assistance.

If the problem persists, contact customer support for further assistance.

11. TECHNICAL SPECIFICATIONS

Brand	DIKANG
Model Number	HG03
Measurement Range	32°C ~ 42°C (89°F ~ 107°F)
Measurement Deviation	≤ ± 0.3 °C
Display Type	LCD with Backlight
Connectivity Technology	Infrared
Power Source	Battery Powered (Batteries NOT included)
Outer Material	Plastic
Item Weight	150 g
Package Dimensions	19.5 x 11 x 5.2 cm
Manufacturer	HUNAN HONGGAO ELECTRONIC TECHNOLOGY CO. LTD

12. SAFETY INFORMATION

- This device is intended for non-contact temperature measurement. Do not attempt to use it for any other purpose.
- Keep the device out of reach of children.
- Do not expose the thermometer to direct sunlight, extreme temperatures, or high humidity.
- Avoid strong electromagnetic interference, which may affect measurement accuracy.
- If the device is damaged, do not attempt to repair it yourself. Contact qualified service personnel.
- The thermometer is not a substitute for a medical consultation. If you have concerns about a temperature reading, consult a healthcare professional.

13. WARRANTY AND SUPPORT

Specific warranty information for the Dikang HG03 Infrared Forehead Thermometer is not provided in this document. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, contact the retailer where the product was purchased, or visit the official DIKANG brand store on Amazon.

[Visit the Official DIKANG Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question