100 mm　　100 mm　　100 mm　　100 mm　　100 mm

150 mm

DIKANG™

INFRARED
NO TOUCH THERMOMETER
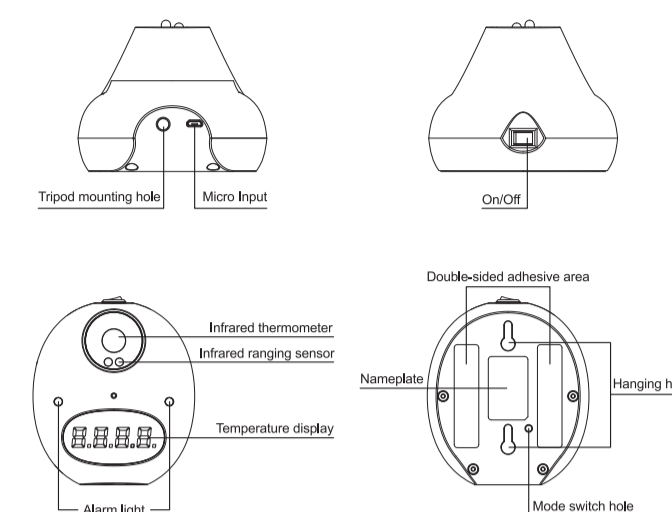
Tripod mounting hole　Micro Input　On/Off

Infrared thermometer
Infrared ranging sensor
Nameplate
Temperature display
Alarm light
Mode switch hole
Double-sided adhesive area
Hanging hole

User Guide
HGB02

— 1 —

Introduction

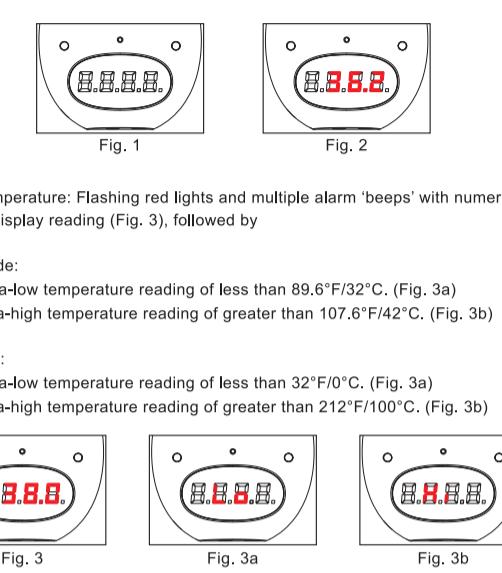## Specifications

1. Digital Measurement Display Modes: Fahrenheit (32-212°F) or Celsius (0~100°C)
2. Accuracy Tolerance: ±0.4°F / ±0.2°C
3. Ambient Temperature Acclimation: Place device in the operating environment for 30 minutes prior to use
4. Reading Distance: 2-8 inches / 5-20 cm
5. Quick Response Time: 500ms (.5sec) reading with 10sec standby
6. Working Wave Frequency: 5 microns
7. 2 Modes: Forehead mode, Surface mode
8. Abnormal Reading Alarm: Red flashing light and continuous 'beep beep beep…' noise
9. Input: Micro USB port / DC 5V
10. Power Supply: Built in rechargeable 2000mAh 18650 Li battery with micro USB to USB-C cable included for charging with a USB wall plug or portable lithium battery
11. Standby Time: About one week
12. Wall Mount Installation: 2 backside hanging hole brackets, or use double stick foam tape
13. Net Weight: 12.5oz / 350g
14. Product Size: 4.75" x 4" x 3" / 119 x 102 x 78 mm
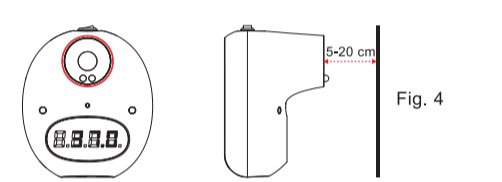
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Display Descriptions

1. Standby: Full screen off. (Fig. 1)
2. Low power status: When the battery voltage is lower than 3.2V, there will be an alarm ('di', 'di' two times) at every one-minute interval.
3. Normal Temperature: Flashing green lights and single alarm 'beep' with numeric temperature display reading. (Fig. 2)

Fig. 1　　Fig. 2

4. Abnormal Temperature: Flashing red lights and multiple alarm 'beeps' with numeric temperature display reading (Fig. 3), followed by

Forehead mode:
a. "Lo" for ultra-low temperature reading of less than 89.6°F/32°C. (Fig. 3a)
b. "Hi" for ultra-high temperature reading of greater than 107.6°F/42°C. (Fig. 3b)

Surface mode:
a. "Lo" for ultra-low temperature reading of less than 32°F/0°C. (Fig. 3a)
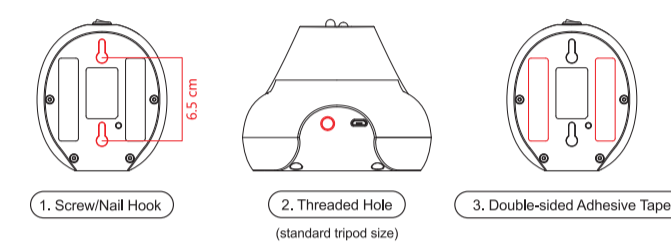b. "Hi" for ultra-high temperature reading of greater than 212°F/100°C. (Fig. 3b)

Fig. 3　　Fig. 3a　　Fig. 3b

Operating Instructions

1. Fully Charge Battery using the included Micro USB cable with a 5V wall plug.
2. Place device in the operational environment 30 minutes prior to use.
3. For temperature measurement, place forehead or surface to be tested 2-8 inches / 5-20 cm in front of the thermometer. (Fig. 4)

5~20 cm　Fig. 4

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4. Mode Switching: Insert a 3mm screwdriver or similar long and thin tool into the small hole on the back of the device (Fig. 5)
   a. Temperature Display Type: Short press the mode button using the screwdriver to switch between F: Fahrenheit (Fig. 6) and C: Celsius (Fig. 7)

Fig. 5　　Fig. 6　　Fig. 7

   b. Operation Mode: Long press the mode button for 3 seconds to switch between Sur: Surface mode (Fig. 8), bod: Forehead mode (Fig. 9)

Fig. 8　　Fig. 9

5. Installation Options:

6.5 cm

1. Screw/Nail Hook　2. Threaded Hole (standard tripod size)　3. Double-sided Adhesive Tape

Packing List

Infrared Thermometer	x1	Expansion Bolts	x2
User Manual	x1	Double-sided Adhesive Tape	x2
Screws	x2	USB Charging Cable	x1

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Scope of Application

The body temperature of subject is shown by measuring the thermal radiation on the forehead.

Properties of Product

Non-contact forehead measurement, no contact with human skin avoids cross infection

Product Characteristics

1. Shock-proof type: Internal power equipment.
2. Degree of shock prevention: BF type application part.
3. Degree of protection against harmful liquid intake: Common equipment.
4. According to the safety level of flammable anesthetic gas mixed with air or mixed with oxygen or nitrous oxide: equipment that can not be used in the presence of flammable anesthetic gas.
5. Operating mode: continuous running mode.
6. The thermometer does not have the application part of protection against defibrillation discharge effect.
7. The thermometer has no signal input and signal outlet.
8. Rated voltage of the equipment: DC 5V.
9. Non-permanent installation of equipment.
10. Electromagnetic compatibility: GB 4824 classification, Group I, Class B equipment.

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正面

100 mm　　100 mm　　100 mm　　100 mm　　100 mm

150 mm

Storage Requirements

1. The product must be kept in a clean and dry place.
2. Keep the product away from electric shock.
3. Do not store the product in extreme environments where the temperature exceeds 131°F (55°C) or is below -5°F (-20°c) and/or the humidity exceeds 93%.

Technical Index

Optimal working environment conditions:	61-95°F (16-35°C); relative humidity: ≤ 85%; atmospheric pressure: 70kpa - 106kpa
Power supply voltage:	DC 5V 18650 Li Battery (2000mAh)
Product size:	4 ¾" (l) x 4" (w) x 3" (h); (119x102x78mm)
Net weight:	12.5 oz. (350g)
Measurement range:	Body temperature mode: 32°C-42°C (89.6°F-107.6°F)
	Object surface temperature detection: 0°C-100°C (32°F-212°F)
Accuracy:	± 0.4°F (0.2°C) in optimal environment, ± 0.6°F (0.3°C) outside optimal environment
Power dissipation:	< 450mw
Measuring distance:	2"-8" (5-20cm)
Automatic shutdown:	15s

Product Description

This product is composed of infrared temperature sensor, probe cover, display unit, power supply circuit and measuring circuit. Infrared temperature sensing is used to measure temperature.

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Instructions for Use

1. This product has no parts for users to repair or debug, so this manual does not provide a circuit diagram, internal component list or other technical information. If a qualified technician would like to obtain detailed mechanical information, please request from the seller.
2. Follow the usage and maintenance recommendations in this manual.
3. This product is suitable for professional or family use.
4. Please keep this product out of reach of children.
5. The ambient temperature for use of this product is between 61°F/16°C and 95°F/35°C.
6. The product must be kept clean and stored in a dry place.
7. Do not place this product in water, near flame, electric static environments.
8. Do not place this product in extreme temperatures: above 131°F/55°C or below -5°F/-20°C.
9. Do not place the product in an environment with humidity higher than 93%.
10. The infrared detector in the front of this product is fragile, handle it with care.
11. Do not touch the infrared detector with your finger.
12. Do not expose infrared detectors to sunlight or immerse them in water.
13. Do not drop the product.
14. If any problem is found, please contact the seller and do not attempt to repair the product by yourself. **Note: measurement errors may occur If parts supplied by non-manufacturers are substituted for the original parts.**
15. This product is a metering product. It is recommended to check the accuracy of the product with manufacturers or qualified third party organizations at intervals of one year.
16. Do not use in an electromagnetic interference environment.
17. Please dispose of this product according to local laws and regulations.

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Tips

1. Do not move the product while temperature is being measured.
2. When taking temperatures, the sensor should be pointed to the center of the forehead, above the center of the brow line and kept vertical. Hair, hats and glasses should be removed from the forehead area completely. The distance between the product and the forehead should be between 2" to 8" (5-20cm).
3. Inaccurate readings can occur if the skin was exposed to extreme hot or cold immediately prior to the measurement. To ensure more accurate readings during extreme weather, after cold compresses, etc., normalize the subject to ambient temperature for 5 minutes prior to measurement.

Routine Maintenance

This product does not need regular maintenance. Please see below for proper cleaning and storage.

1. Clean and disinfect the body with 75% alcohol before and after use. Do not allow alcohol to enter the outer casing.
2. Infrared Cleaning: The internal infrared detector is a delicate device. If the infrared detector becomes dirty, use a cotton swab with a 95% alcohol wipe. Note: do not use 75% disinfecting alcohol to wipe the infrared detector (traces of water will be left behind). Do not wipe the infrared detectors with any other chemical.

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3. External Dirt: Clean surface dirt with a damp soft cloth or cotton swab (wetted with water only). To disinfect, wipe the product with a medical alcohol wipe. Be careful not to allow too much water or alcohol to enter the product and cause damage.
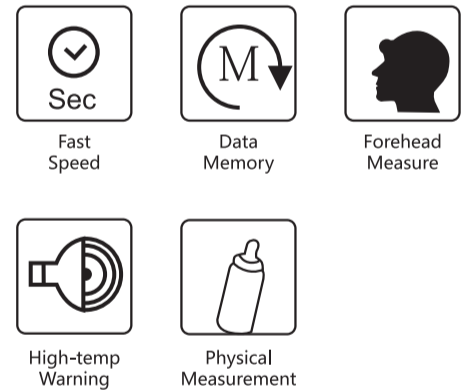4. Storage: store in a dry, cool place out of direct sunlight.

Warranty

1. From the day of purchase, you will enjoy a 1-year free warranty with the purchase invoice.
2. We will not provide free warranty service for any failure caused by the following:
   a. Failure caused by unauthorized disassembly or modifica ion of products;
   b. Failure caused by accidental drop during use and handling;
   c. Failure due to lack of proper maintenance;
   d. Failure to operate in accordance with the correct instructions in the operating manual;
   e. Failure caused by improper repair by a repair shop not authorized by us, etc.
3. The repair service beyond the warranty scope will be charged according to the regulations.
4. When you require warranty service, please consult the after-sales service department.

Technical Data

Input	Accuracy
DC 5V	±0.4°F / ±0.2°C
Measuring Distance	Response Time
2~8 inches / 5~20 cm	0.5 S

— 9 —

Sec
Fast Speed

M
Data Memory

Forehead Measure

High-temp Warning

Physical Measurement

Made in China

FC　RoHS　10

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背面