1.Product introduction

The infrared thermometer is a high-quality product, it adopts infrared technology, each start-up will be self-testing to ensure the accuracy of measurement, this infrared thermometer is mainly used to measure the temperature of the forehead of the human body. This product can perform accurate and stable temperature measurement. Users only need to point the probe head on the forehead and press the measurement button, and the body temperature can be measured quickly and accurately in one second.

To ensure the accuracy of measurement and safety of use, please read the manual carefully before use.

This product is widely used in schools, customs, hospitals, homes and other places.

Scope of application

The body temperature is measured by measuring the human body's thermal radiation.

Structure and composition

It consists of a housing, an infrared temperature sensor, a signal receiving processor, buttons, a COB board, a buzzer, and an LCD display.

Preventive Examination

1. Before measurement, the infrared thermometer shall be proofread to check the function of each component and keep the good performance of the infrared thermometer.

2. Maintain sufficient power supply to determine whether the external environment is in accordance with the product operating environment.

3. After the product is packed, it is allowed to be transported by common means of transportation, but it should avoid the mechanical collision of rain, damp and extrusion box.

Statement

The clinical accuracy or the clinical deviation of the infrared thermometer has passed the clinical verification, and its safety and effectiveness meet the requirements of the relevant national laws and regulations. For the claimed performance verification method, please contact our customer service department.

2.Safety Instructions

This product is intended for use only as described in the instructions

The manufacturer shall not be liable for any damage caused by improper use.

2.1 Do not immerse this product in water or other liquids. For cleaning, wipe with a damp soft cloth.

2.2 If you think this product is damaged or abnormal, please stop using it.

2.3 Do not open this product without permission.

2.4 The blood vessels constrict and the skin surface temperature drops during the early stages of fever, when the measured temperature is unusually low.

2.5 If the measurements do not match the patient's diagnosis or the temperature is abnormally low, the measurements are repeated every 15 minutes or another core temperature area is measured to verify the previous measurements.

2.6 This equipment includes sensitive elements and shall be treated with caution. The storage and operating conditions are described in the Product Specifications section.

2.7 This product contains small parts, in order to avoid swallowing, children need to use under adult supervision.

**** Please stay away from the following situations:**

a) Extreme temperature

b) Shock and drop

c) pollution and dust

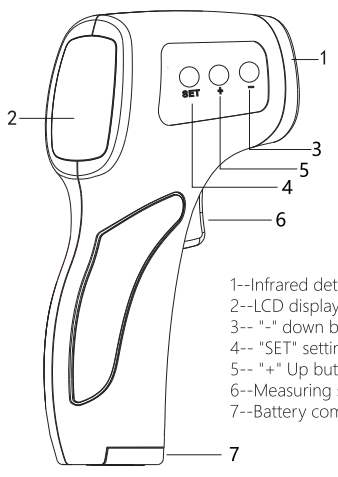
d) Direct sunlight

e) Hot and cold environment

f) If it cannot be used for a long time, please remove the battery and place it.

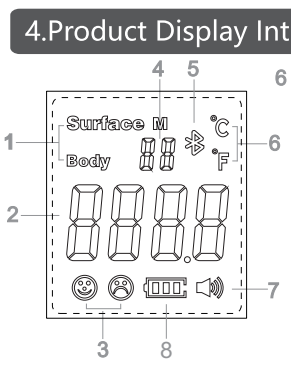
Warning: This device is not a complete substitute for medical treatment. It is not waterproof and shall not be used in liquids.

3. Product Structure Introduction



1--Infrared detector
2--LCD display
3-- "-" down button
4-- "SET" setting button
5-- "+" Up button
6--Measuring switch
7--Battery compartment cover

4.Product Display Introduction



1--Measuring Mode
2--Display Value
Stored Data Readout
3--**Health status**
4--Storage Location
5--**Bluetooth Symbol**
6--Temperature Unit
7--Beep Symbol
8--Low Battery Symbol

5.How to Install Batteries

The machine comes with two DC.3V (AA batteries). When the low voltage icon flashes on the screen, the battery needs to be replaced.

Remove the battery back cover in the direction indicated (Step 1)

Replace the battery, and correctly reprint the battery according to the positive and negative poles marked (Step 2)

1. Hold the unit and open the battery back cover in the direction indicated.

2. Insert two DC.3V (AA batteries) batteries and pay attention to the battery polarity indication.

Battery Replacement Cycle for Consumables and Description of The Replacement Method

The removable parts of this product mainly include batteries, before installing accessories, please make sure that the accessories specifications and models are consistent with the original factory regulations, please be sure to use the company's specified model accessories, if necessary, please contact the seller or manufacturer's contact telephone number.
Battery installation and replacement: When the display appears low voltage prompt symbol, please replace the special battery. For installation and replacement, please refer to the Instructions for Installation and Use in this manual.

Batteries and electronic equipment shall be disposed of in accordance with applicable local laws and regulations and shall not be casually thrown into the garbage to avoid irreversible pollution.

6.Set Operation

The product provides temperature unit, prompt sound switch, temperature alarm point, temperature offset, and measurement mode and other five functional settings. The measurement mode setting is set by the mode switch key, the other settings are set in the settings menu.

The setting menu comparison table is as follows:

Menu	Function	"-" Key	"+" Key	Default	Remarks
F1	Unit	℃	°F	℃	
F2	TEMP Offset	Downward Shift 0.1℃	Upward Shift 0.1℃	0.0℃	-5℃~5℃
F3	Beep Switch	Off	On	On	

The backlight color and buzzer alarms

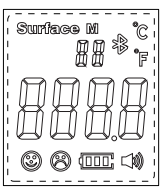
Backlight color	Buzzer alarm	temperature range
Green	beep x 1	32.0~37.5℃
Yellow	beep x 1	37.6~38.0℃
Yellow	beep x 9	38.0~38.5℃
Red	beep x 9	≥ 38.5℃

Measurement mode setting:

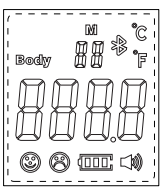
1. Press the test button to turn on the display. Short press the set button to display the adult mode (Fig. 6.1).

2. Short press the setting key again to switch to the surface temperature display (Fig. 6.2) and cycle in turn.

Mode



(Fig. 6.1)

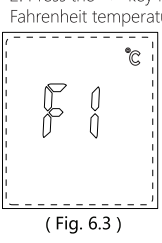


(Fig. 6.2)

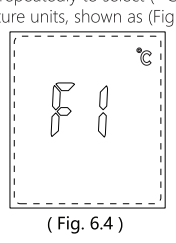
TEMP Unit Setting: F1

1. Press and hold the "SET" button for 2 seconds, the screen displays F1, shown as (Fig. 6.3);

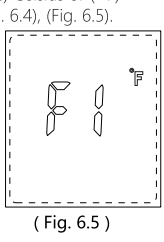
2. Press the "+" key repeatedly to select (° C) Celsius or (° F) Fahrenheit temperature units, shown as (Fig. 6.4), (Fig. 6.5).



(Fig. 6.3)



(Fig. 6.4)



(Fig. 6.5)

TEMP offset setting: F2

Press and hold the "SET" setting button for seconds, the screen displays F1, press the "SET" setting button once to enter F2, press the "+" button to shift the temperature value up 0.1 ° C (0.1 ° F), and press "-" button to offset the temperature value by 0.1C (0.1 ° F).

Note: The initial default value is 0.0 ° C (0.0 ° F), adjustable range: -3 * C ~ + 3 * C

Beep on / off setting: F3

Press and hold the "SET" button for 2 seconds, the screen displays F1, press the "SET" button 2 times to enter F3, press the "+" button to turn on the beep sound (ON symbol appears on the screen) or turn off the beep sound (0FF symbol appears on the screen).

After entering the settings menu operation, if a certain setting needs to be modified, the menu key can be continuously pressed to select.

Save the new settings after setting in order. If you shut down and exit halfway, the new settings will not be saved.

After entering the setup menu, pressing the measurement key has no effect, and the thermometer will not take measurements.

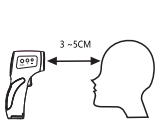
Tips: The normal body temperature of human body is not constant, the temperature of different parts of human body, the morning and evening of every day or between men and women are different, but there is a relatively stable range. It is normal to measure the same part of the body every few minutes, and the temperature may change by a few degrees centigrade. Especially, the child's temperature control function is not fully developed yet, and the temperature changes will be quite frequent. It is recommended that more measurements be taken, with the highest value as the standard. If the baby temperature anomaly is found, please promptly seek medical attention.

Note: It is normal that the temperature values measured will vary according to the skin color, thickness and body part of a person, as well as the temperature of the environment. The more exposed a body part is, the more it is affected by the temperature of the environment.

7.Measurement Methods

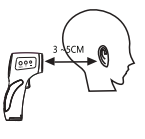
In standby mode, the display screen of the infrared thermometer does not have any display. In standby mode, press the measure key and the display screen will be displayed for about 2 seconds. At the same time, the backlight is turned on, buzzer "beep, beep" two short sound, the screen shows the last measurement of temperature, and the infrared thermometer enters the temperature measurement mode.

In the temperature measurement mode, the infrared detector is pointed at the place where the temperature is to be measured, then press the measuring switch, the backlight is illuminated, and the infrared thermometer begins to measure the target temperature. After about 1 second, the BUZZER sends out a prompt sound, the result of the measurement is displayed on the display screen; at this point, the measuring switch can be pressed again to measure the temperature.



(Fig. 7.1)

(Fig. 7.2)



(Fig. 7.3)

Note:
When the temperature of your forehead is significantly affected by changes in the ambient temperature, measure it behind your earlobe, as shown in figure 9.3.

Prompt:
1. Before and after use, keep the inner cavity of the sensor and probe clean.
2. Please place the thermometer in a temperature stable environment. When the ambient temperature changes significantly, such as the subject is moved from indoor to outdoor, please leave it for about 10 minutes before measuring.
3. Do not start taking body temperature immediately after taking the temperature of an extremely hot or extremely cold object. Please leave it for ten minutes.
4. When the subject comes from a place with a large difference in temperature from the measuring environment, the subject shall stay in the testing environment for at least five minutes.
5. Try not to measure under forehead blow, water, sweat, apply cosmetics, etc. Do not take temperature within 30 minutes after exercise, bathing, and meals.

FCC Statement

This device complies with part 15 and part 18 of the FCC Rules. Operation is Subject To the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not explicitly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Note: this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 and part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and candidate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 18 of the FCC Rules. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and any other radio device.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.