INFRARED THERMOMETER
MANUAL

1.DESCRIPTION

This product is a non-contact infrared thermometer

2.NOTES

Please read this manual carefully before use. The ambient temperature of this product is 10 ℃ to 40℃.

Do not place this product near live objects to avoid electric shock.

Do not place this product in an environment above 50℃ or below 0℃.

Please do not use this product in an environment with relative humidity greater than 85%.

Do not place this product too close to the electro-magnetic range. (Eg radio, mobile phone, etc.)

Please do not expose this product to the sun, or near the stove, and do not touch the water.

Do not bump or drop the product, and do not use it if it is damaged.

Please make sure the measurement distance is within 1-3 cm.

In order to obtain stable and reliable measure-ment data, when the room temperature changes greatly (such as when the air conditioner or heating environment suddenly enters the room from outside in winter), the infrared thermometer should be used indoors for 15 to 20 minutes.

When cleaning is required, wipe the surface of the meter lightly with alcohol.

Important

Please select " 😀 " mode when measuring the Normal temperature, and select " 🏠 " mode when measuring the temperature of the object. Please contact the distributor or factory if there is a problem with the product, do not try to deal with it by yourself.
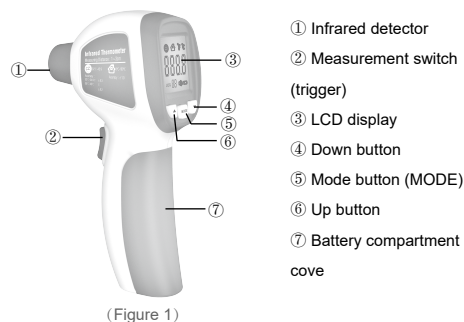
3.FEATURES

1、 Non-contact high-precision measurement at normal temperature

2、Choice of room temperature or object temperature measurement

3、Can store the latest 32 measured data values

4、Automatic data retention and automatic shutdown

5、Resolution is 0.1 ℃

6、LCD display with backlight
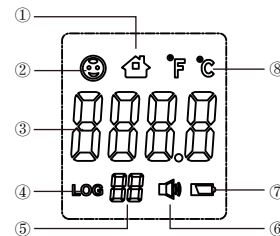
7、Over temperature alarm (displayed in yellow and red)

4.ALARM TEMPERATURE RANGE

Temperature range	Backlight color
≤37.5℃	LCD display green
37.6℃~38℃	LCD display yellow
≥38.1℃	LCD display red

5. CONSTRUCTION (Figure 1)

① Infrared detector

② Measurement switch (trigger)

③ LCD display

④ Down button

⑤ Mode button (MODE)

⑥ Up button

⑦ Battery compartment cove

（Figure 1）

6.DISPLAY DESCRIPTION (Figure 2)

（Figure 1）

① Object temperature mode

② Normal temperature mode

③ Digital reading

④ Storage location

⑤ Reading of stored data

⑥ Buzzer symbol

⑦ Low battery symbol

⑧ Temperature ℃ / ℉

7. TECHNICAL INDICATORS

3V===	3V DC power supply (2 × 1.5V)
🚮	To protect the environment, please send used batteries to The right recycling point.
😀/🏠	Normal temperature / object temperature mode indication
⚠	note! Refer to attached file
♻	This manual is paper and can be recycled

8.MEASURING RANGE

Resolution	0.1 ℃
Operating ambient temperature	10 ℃~40 ℃
Storage temperature	0 ℃~50 ℃
Relative humidity	≤85%
Power	DC 3V (2*AAA)
Size	140 × 77 × 41mm
Weight	108g

Measuring distance	1-3cm	
Automatic shut-down	15 seconds	
Response time	<1 second	
Measuring range		
Normal temperature mode	32.0 ℃ ~ 42.9 ℃	
Object temperature mode	0 ℃ ~ 100 ℃	
Measuring accuracy		
Normal temperature mode	32℃-34.9℃	±0.3℃
	35℃-42℃	±0.2℃
	42.1℃-42.9℃	±0.3℃
Object temperature mode	± 1.0 ℃	

9.USE

9-1. Install the battery.

9-2. Wait for 1 minute to warm up for the first time or immediately after inserting a new battery.

9-3. The instrument has not been used for a long time, the first time it is turned on for environmental temperature detection, and the startup time is extended by 1-2S.

9-4. Aim at the target, distance 1-3cm, press the trigger, the temperature will be displayed immediately.

10. OPERATING INSTRUCTIONS

10-1. Short press "MODE" key to switch between Normal temperature mode " ☺ " and object temperature mode "⌂".

10-2. Long press "MODE" key 2s to enter function selection mode

10-2-1 Temperature Unit-Menu F1
When the LCD displays F1, press " ▼ " or " ▲ " to select "° C" or "° F".

10-2-2. Buzzer switch-menu F2
Press the "MODE" button again. The LCD displays F2. Press " ▲ " or " ▼ " to select "On" or "Off ".

10-2-3.Normal temperature correction-menu F3
Press the "MODE" button again to display F3 on the LCD, then press the " ▲ " button to increase the difference by 0.1 ° C, and press the " ▼ " button to decrease the difference by 0.1 ° C. If the season or environment changes, check and debug the thermometer. Note: This function is only used in normal temperature mode.

10-3. Exit setting mode
Press the trigger button to save and exit.

10-4. Data storage
The measured temperature value will be stored automatically. Press the " ▲ " or " ▼ " key to view the stored data. In the case of shutdown, hold down the "MODE" key and press the trigger to clear all stored data. The LCD displays "CLR" and then shuts down automatically.

10-5. Replace the battery
When " ▭ " is displayed on the LCD, the battery is in a low battery state. operating:
1. Open the battery compartment cover and replace the battery.
2. Remove the battery when it has not been used for a long time to prolong its service life and prevent damage to the thermometer due to battery leakage.

> **Note:**
> Please pay attention to the polarity of the battery. Misplacement may cause damage to the product. Prohibit the use of rechargeable batteries.

11. ADVICE

The protective glass outside the LCD frame is very important, and it is also the easy-to-scratch part of the meter. Please use it with care. Do not expose the product to the sun, do not touch the water or use it in an excessively humid environment.

12. MAINTENANCE AND CLEANING

The probe part is the most precise part of the product and must be carefully protected. Wipe the surface of the meter with 70% alcohol cotton. Do not use abrasive cleaners. Never immerse the product in water or other liquids. Keep this product in a dry place to avoid dust, pollution and direct sunlight.

13. MAINTENANCE

If you encounter the following problems during use, please follow the instructions in the maintenance instructions to find a solution. If the problem persists, please contact our customer service.

The LCD may display HI.
The measurement result is higher than the measurement range: the temperature is higher than 42.9℃ in the Normal temperature mode or the temperature is higher than 100℃ in the object temperature mode.

The LCD may display Lo.
The measurement result is lower than the measurement range: the temperature is lower than 30 ° C in the normal temperature mode or lower than 0 ° C in the object mode.

REASON FOR THE MESSAGE "LO" OR "HI"

1、The temperature value is affected by obstacles.
Suggestion: Ensure that there are no obstacles during temperature measurement
2、Temperature is affected by changes in airflow
Suggestion: Ensure that the air remains stable during temperature measurements

3、The measurement distance is too far
Suggestion: Please pay attention to the measurement distance (at 1-3cm)
4、Walk into the room from low or high temperature outdoors.
Suggestion: Please wait 10 minutes for the target to adapt to the measurement environment before measuring.

14.THIS INSTRUMENT MEETS THE FOLLOWING STANDARDS

Electromagnetic compatibility statement:
This product has been tested and approved according to the electromagnetic compatibility of EU 60601-1-2: 2007. This does not guarantee that this product is absolutely immune to electromagnetic interference. Please avoid using this product in a strong electromagnetic environment.

If the specifications are subject to change without notice, please contact the sales staff for the latest instructions