

Non-contact infrared thermometer

MODEL: YK-001

Infrared Body Thermometer



*3 colors display mode
Multiple usage
Measure speed 0.5s*



Thank you for choosing the YK-001 non-contact infrared thermometer.

To be able to safely use this product, be sure to read the instructions before use.

This product is only for monitoring and self-examination of body temperature and cannot be used for disease diagnosis, all treatment please follow the doctor's advice.

Introduction

| | |
|---|-----|
| General Description..... | 2 |
| Product performance..... | 2 |
| Contraindication..... | 2 |
| Special storage conditions and methods..... | 2 |
| Product Description..... | 2-3 |
| Instructions..... | 3-6 |
| Routine maintenance..... | 7 |

Measurement range

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

Product performance

| | |
|--------------------------|---|
| Accuracy: | Measurement accuracy $\pm 0.20^{\circ}\text{C}$, |
| Speed: measurement time: | 2 second. |
| Easy to use: | One-click measurement, easy to operate. |
| Non-contact: | For forehead measurement, do not touch the human skin, avoid cross-sense. |
| Fever alarm: | Free to set alarm temperature. |
| Number of uses: | Button tested by 100,000 times. |
| Large screen display: | Large screen LCD white backlight display, can read clearly at night. |
| Storage data: | Can store 99 measurement data for easy analysis and comparison. |
| Setup modification: | Settings parameters can be modified. |
| Unit conversion: | $^{\circ}\text{C}$, $^{\circ}\text{F}$ can be converted to each other. |

Contraindications

Not applicable.

Special storage conditions and methods

Products must be kept clean and placed in a dry ground. Do not place an infrared thermometer in an electric shock.

Do not place the infrared thermometer in an extreme temperature environment above 50°C or below -20°C and humidity above 95%.

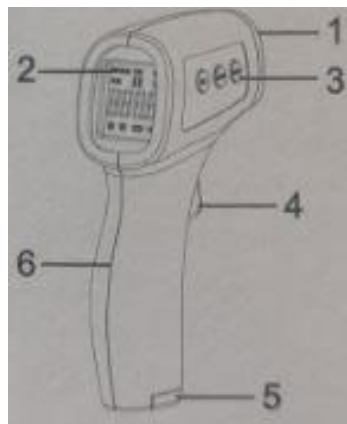
Technical index:

- | | |
|---------------------------------|---|
| 1. Normal operating conditions: | ambient temperature :15 ⁰ C-35 ⁰ C. |
| Relative humidity: | ≤ 85% |
| 2. Supply Voltage: | DC3V (2 Section 7 "AAA" Battery) |
| 3. Product Size: | about 138 x 95x40mm (length x width x height) |
| 4. Weight; | about 90g(without battery) |
| 5. Measurement range ; | 32 ⁰ C-42.9 ⁰ C (body temperature): |
| 6. Accuracy: | 34 ⁰ C - 34.9 ⁰ C +/- 0.3 ⁰ C |
| | 35 ⁰ C - 42 ⁰ C +/- 0.2 ⁰ C |
| | 42.1 ⁰ C - 42.9 ⁰ C +/- 0.3 ⁰ C |
| 7. Power consumption: | 150 mW |
| 8. Measurement distance: | 3cm-5cm |
| 9. Automatic shutdown.: | 15 seconds |

Product description

This product is mainly composed of infrared probe assembly, main circuit board assembly, LCD display assembly and shell assembly.

1. Infrared probe
2. LCD screen
3. Setting Key
4. Measurement key
5. Battery cover
6. Holding case



Method of use

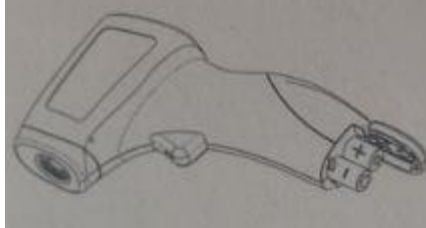
Notes:

- Follow the maintenance recommendations in this specification.
 - This product is suitable for professional or household use.
 - Please keep the product out of reach of the child.
- The ambient temperature of the product must be between 15°C and 35°C.
- Do not place an infrared thermometer in an electric shock.
 - Do not place infrared thermometers in extreme temperatures: above 50°C or below -20° C.
 - Do not operate an infrared thermometer above 95% humidity.
 - The front infrared detector is fragile.
 - Do not touch infrared detectors with your finger.
 - Do not expose infrared detectors to sunlight or water.
 - Do not drop products.

- If you find any problem, you should contact the seller and not repair the product by yourself.
- Do not use in the presence of electromagnetic interference.
- Please follow the local laws and regulations to dispose of the product's end-of-life waste and residue.

Batter installation:

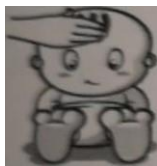
Use 2 alkaline battery, pay attention to the positive and negative point of the battery, cannot be installed in reverse (see right picture)



Correct use

The correct method of use is the key to the accuracy of the test otherwise it may cause measurement errors. Because the infrared temperature measurement has higher requirements for the surrounding environment, therefore, please follow the following prompts.

1. Point to the forehead and press the measurement button. After 2 sec, the result is visible. (standby time after measurement is 13 seconds before it goes to automatic shutdown). You can repeat the measurement by pressing a next time to verify the accuracy of the measurement. And a next time if you wish.
2. When measuring body temperature, should point the product more or less to the center of the forehead, the top of the brow and keep vertical, the measuring area cannot have hair cover, the distance between the product and the forehead is recommended at about 3cm-5cm.



1. Poke your hairs



2. Wipe sweat



3. measuring distance 3-5cm.

Warm Tips: if you can't guarantee that the area under test (forehead) is in a constant environment, it is recommended to measure it with an unexposed body surface (e.g. chest or abdomen)



4. measured belly.



5. measured shoulder sipping position.

3. When a person is from a place where the measured ambient temperature varies significantly, he or she should remain in the tested environment for at least 5 minutes before measuring it in accordance with the ambient temperature, otherwise the measurement will be affected.

4. Sweating, cold compressing or other temperature-lowering measures on the forehead of a fever patient may result in low measurement results and should be avoided in these cases.

5. When products are removed and used from places with large temperature differences from the environment to be tested, they should be used after 30 minutes in the environment.

6. The environment of the objects to be measured should be stable, not in the fan or air-conditioning outlet and other large air-flow environments.

7. The product cannot be used in direct sunlight.

8. It is recommended to measure about three times at a time to show the best set of data.

9. To measure the temperature of the body's forehead, select the "body temperature" mode. (Default setting)

Setup adjustment:

This product can modify the default settings parameter. Factory settings have been made for different sales markets before leaving the factory, it is recommended not to modify the factory default value, if there is a need to modify, please follow the following steps.

1.Boot State

Press the measuring key shortly to boot, the display will show "00.0°C" or "00.0 F" indicates that you can access commands.

2.Buzzer Switch

Setup method

In the boot state, short press "set" key, screen display "ON" and horn symbol 4) or "OFF" and horn symbol 4) (horn symbol flashes), short press again setting key, screen display switches between "ON" and "OFF"

3.Alarm Temperature Setting - F1

Setup method

In the boot state, press the "Set" key for 2 seconds, the screen shows: F1, press the "Memo" key to increase 0.1 °C, press the "Mode" key to reduce 0.1 °C, press the measuring key to confirm. (alarm temperature factory setting at 37.3 °C)

4. Overall Temperature Offset - F2

Adjust the measurement bias of the product.

(This setting is not recommended)

Setup method

Press the Settings button for 2 seconds. The screen shows: F1. short press again the Settings button enter into F2, select press "Memo" to increase 0.1 °C, press "Mode" to decrease 0.1 °C, press Setting key to confirm. (Factory defaults to 00.0 degrees)

5. Temperature Unit Setting - F3

Press and hold the "Set" key for 2 seconds, the screen display s: Flt then press and hold again the "Set" key to enter F2, and then press and hold the "Set" key to enter F3. press "Memo **and** "Mode" key to switch between °C and °F.

6. Exits Settings mode

In setting mode, press the " measurement "key one time to close screen and the product automatically exits the setting.

7. Memory query

After each test, the product will automatically record the test data, up to 99 measurements can be recorded, if you want to view these data, according to the following operation.

In the standby state, press the "Memo" button to show the last measured temperature. Press the "Memo" button again to display the previous data, press the "Mode" key to display the following data, and so on, you can view the measured data stored. You can press the measurement button to exit query mode. Without any pressing, it will exit this mode and close automatically in 10 seconds.

8. Memory Clearance

In standby state, long press "Memo" key 2 seconds, that can clear all current memory.

9. Alarm Function

In temperature mode, if the measured temperature is higher than the set alarm temperature, the buzzer will continuously sound three beeps. (alarm temperature is factory set to 37.3 °C).


10. Switching Measurement Mode

In the boot state, press the "Mode" button, the display screen “ object temperature " **and** " body temperature” display will alternate, select the desired mode, press the measurement button to exit.

11. Display Color

In body temperature mode, if the measured temperature is higher than the set alarm temperature, the display color will switch to yellow or red (alarm temperature factory is set to 37.30C)

Battery replacement:

The product uses 2 AAA alkaline batteries, theoretically can be used about 20,000 times continuously, When the battery symbol "  " appears on the screen and **flashes**, it indicates that the battery is low and needs to be replaced.

1. Open the battery cover to replace the battery, note that the positive and negative electrodes of the battery should be placed in the correct position negative electrode; '+' positive electrode.
2. If rechargeable battery does not meet the product requirements, please do not use.
3. When not used for a very long time, it is recommended to remove the battery so that will not to damage the product by leaking the battery.

Routine maintenance

1. The product has no need to be maintained frequently when it is in normal use.

External dirt: Use a clean soft cloth with a bit of water to wipe the dirt, or cotton swab with medical alcohol wipe, medical alcohol wipe can also be used for sterilization and disinfection. Pay attention to use water or alcohol not too much, so as it does not to flow into the interior to cause damage to the product.

2. Dirty inside: the internal infrared detector is an important device, do not touch or top pressure with fingers or other objects, otherwise it will affect the accuracy of the measurement. When the infrared detector is found dirty, wipe it with 95% anhydrous alcohol with a cotton swab.

Note: Do not use 75% disinfection alcohol to wipe the infrared detector (traces of residual water). Do not use other chemical reagents to wipe the infrared detector (will cause damage to the infrared detector).

Storage

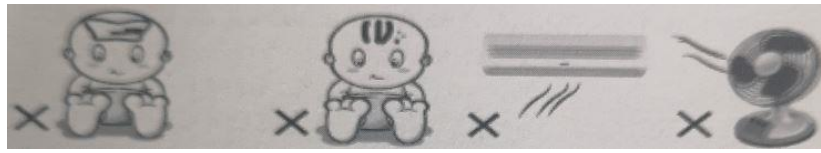
Store in a dry, cool, sunless place.

Troubleshooting

FAQ 1: When part of human body temperature is measured in the same environment, what is the reason for "Lo"?

The reasons to be excluded are as follows:

1. The measurement distance is too far, at this time the measurement may be the temperature of the air, the specification requires a distance of 3cm-5cm. (There is a vertical line in the upper part of the thermometer with a distance of 5 cm to the end of the gun for reference)
2. Those with hair covering their foreheads, sweat on their foreheads, pasted antipyretic stickers or took antipyretic drugs, air conditioning blowing on their foreheads and strong Winds blowing across the surface may appear "Lo", so which needs to rest 5 to 10 minutes in a stable environment before measuring.



After cold compressing after taking medicine Sweating Air-conditioning vent blow

3. A: There are very few human bodies whose temperature is lower than that of the average person.

If each individual's measurement indicates "Lo", which can compare the temperature of the forehead with that of the other person with the back of the hand, and the try another person's comparison.

3. B: When the body temperature of an individual (not all humans) appears "Lo", it can judge the body temperatures normal, the main concern is the fever alarm (fever or "HI appears). Appear "Lo" indicates that the temperature is normal, the main concern is the fever alarm (fever or "HI appears). If it appears "Lo" indicates that the temperature of the human forehead object is very low at this time, beyond the display range of the product.

Main reasons for displaying Lo on screen:

| Reasons for Displaying Lo Information | Recommend |
|---|---|
| Covered by hair or sweat during temperature reading | Make sure there are no obstacles to the forehead |
| Cold air on the forehead | Make sure no cold air is blowing directly on the forehead |
| The forehead has just been cold | After cold compress, wait 10 minutes before measuring |
| The measurement distance is too far | Recommended measurement distance of 3cm-5cm |

FAQ 2: What is the overall temperature offset setting function in the product used for?

A: The overall temperature offset setting function in the product is used to calibrate the temperature, and if you use the product for screening people in public places (such as schools, airports, customs, etc.), you can use it without using the function, the product has been adjusted at the time of production, just press the measuring key to use it; if you use the product for home (such as a child) and want to get a more accurate human temperature measurement, it is recommended that the mercury or electronic contact thermometer is calibrated for the first time, by comparing the value of the thermometer with the measured value of the product under the same conditions of mercury, if less 0.2 degrees, you can put the original "F2" to add more 0.2 degrees, on the contrary, more 0.2 degrees you can subtract 0.2 degrees from the original "F2" value of the product.

FAQ 3: Is the product harmful to the human body and radiation to the human body?

A: The principle of the product is to collect the radiation infrared ray of the human body to calculate the body's temperature, the product is not directly in contact with the human body, will not bring cross-infection of different human body, the non-contact thermometer produced by the company is no radiation to the human body, so no harm to the human body, we hope that the majority of consumers can rest assured to use.

FAQ 4: measuring all human body alarm, is this a product quality problem?

A: This kind of phenomenon is generally caused by the problem of product setting, we can refer to the instructions, adjust the overall deviation value of the temperature of the product to the factory default value, the specific method is to set the overall deviation of the temperature of the product to 0.0.

If there is any further problem, you can contact the aftersales service center directly and set the alarm temperature in the normal range at the same time.

FAQ 5: What is the difference between Non-Contact infrared thermometer and a mercury thermometer?

1. Contact infrared thermometers or mercury thermometers require direct contact with the human body and are prone to cross-infection between different human bodies.

2. Mercury thermometers have a long measurement time, are not easy to read and are not safe, especially when measuring children's temperature, because of the active and difficult to clamp, causing great inconvenience to parents.