

User Manual

Non -Contact Forehead Infrared Thermometer



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1. Introduction

The product is a professional thermometer for measuring the forehead temperature of the human body. The testing result would be different according to the status of the skin.

2. Cautions

Please read this user manual before switching the unit on.

Operating temperature is between 10°C and 40°C.

Please keep this product away from the things with electricity

Please do not put this product in the storage temperature above 50°C or below 0°C.

Please do not use the product in the humidity range above 85%.

Please keep the product away from electromagnetic range (for example radio, mobiles, and so on)

The product may not be exposed to the sun, close to the fire, also immersed into water.

Never impact or hard hit the product, don't use it if it has been damaged.

The measurement value can be influenced by the sweat on the forehead, hat or scarf.

Make sure the measure distance is between 5cm to 15 cm.

For a more accurate measurement value of body temperature, when the ambient temperature changes too fast, the forehead thermometer shall be put aside for 15 to 20 minutes before the measurement.

When there is sweat on the forehead or other reasons caused the abnormal body temperature, please measure the temperature after the earlobe.

Use the alcohol to wipe the surface lightly when the product needs to be cleaned.

Notice:

Please make sure to remove the sweat and hair on the forehead before the measurement.

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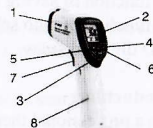
conditions, for example ages, genders, skin colors and so on.

5. The range of the normal temperature in different ages

age	normal temperature°C	normal temperature°F
0-2	36.4-38.0	97.5-100.4
3-10	36.1-37.8	97.0-100.0
11-65	35.9-37.6	96.6-99.7
>65	35.8-37.5	96.4-99.5

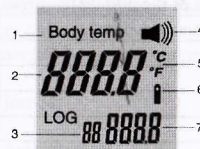
6. Components and Form

1. Infrared probe
2. Liquid crystal display screen
3. Mode
4. Down
5. Up
6. Backlight switch
7. Testing key
8. Battery cover



7. Display screen describe

1. Body temperature mode
2. Result
3. Storage
4. Alarm signal
5. Temperature °C/°F
6. Low battery warning
7. Checking saved data



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Use this thermometer is not intended as a substitute for consultation with your physician. Please contact our distributor when there is problem. Please don't try to repair it by yourself. According to the rule from EMC, medical electronics need special predict.

3. Features

Non-Contact and with a high accuracy of measurement

Providing two temperature modes, Fahrenheit scale and Celsius scale, for selection

Providing the function of sound notification of high body temperature

Capable of storing 32 sets for the latest measurement date

Providing the function of saving the date and auto turn off

Providing the function of auto selection the range, LCD display resolution: 0.1 °C (0.1 °F)

Backlight LCD digital display

4. Other Introductions

The product is a professional thermometer for measuring the forehead temperature of the human body.

The range of the normal temperature in different measurement positions

measurement positions	normal temperature°C	normal temperature°F
anus	36.6-38	97.8-100.4
oral	35.5-37.5	95.9-99.5
axilla	34.7-37.3	94.4-99.1
ear	35.8-38	96.4-100.4

The body temperature changes in the different time in a day. It also can be influenced by the other external

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8. Technical Indications

Data format solution	0.1°C (0.1°F)
Ambient temperature	10-40°C (50-104°F)
Storage temperature	0-50°C (32-122°F)
Relative humidity	≤85%
Power supply	DC9V (a 6F22 battery)
Specifications	150×75×40mm
Weight	Gross 400g, net 172g
Range of measurement	
Body temperature Mode	32.0-42.5°C
Accuracy	±0.3°C (0.45°F)
Measurement distance	5 to 15 cm (2 to 5.9")
Auto-shutdown time	About 7 s

The accuracy of the Non-Contact Forehead Infrared Thermometer

32-35.9°C/93.2-96.6°F	±0.3°C (0.5°F)	As the ASTM standard E1965-1998 (2003)
36-39°C/96.8-102.2°F	±0.2°C (0.4°F)	
39-42.5°C/102.2-108.5°F	±0.3°C (0.5°F)	

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9. In order to get a more accurate and reliable measurement value of body temperature before the measurement, please have a necessary check follow the steps below:

Step one: Test the body temperature for someone for example get the result 37.5°C (99.5°F)

Step two: Test the body temperature for the same person with the non contact infrared forehead thermometer. Keep the distance between 5cm to 15cm (without any block like sweat or hair) if the result is also 37.5°C (99.5°F) then it means the setting is correct and this product work fine. If the result is lower for example 36.4°C (97.4°F), there is 1.1°C(2.2°F) difference, you need to adjust it. Add the difference to the device. Keep on pressing "MODE" for two seconds till the screen display F1, then press "MODE" again to enter into F3 and press "UP" to add the difference.

Step three: Retest the body temperature

10. Operation

- Input the battery
- Waiting for 10 minutes for the first time or just insert the battery
- In case when it's not used for long time, it will detect the environment temperature first so it will take one or two seconds more to switch on.
- Focus on the forehead and keep 5cm distance then press the button to start testing. It will display the testing data within one second. Be sure there is no hair, sweat, cosmetic or hat to cover the forehead. (See the picture below)

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Keep pressing "MODE" for 2 seconds till the screen display F1 then press "MODE" twice to enter into F2 then press "UP" for increasing alarm temperature 0.1°C (0.1°F) and press "DOWN" for decreasing 0.1°C (0.1°F).

Attention: The default alarm temperature is 38 °C (100.4°F)

c). Adjustment for difference---F3

Adjusting the non contact infrared forehead thermometer

Keep pressing "MODE" for 2 seconds till the screen display F1 then press "MODE" twice to enter into F3 then press "UP" for increasing alarm temperature 0.1°C (0.1°F) and press "DOWN" for decreasing 0.1°C (0.1°F). When season and environment change, we need adjust the difference.

d). Switch on/off the speaker---F4 (F3)

Keep pressing "MODE" for 2 seconds till the screen display F1 then press "MODE" trice to enter into F2 then press "UP" for switching on the speaker and press "DOWN" for switching off the speaker

e). Out of setting

Keep pressing "MODE" until it's power off

This product is specialized for testing human being's body temperature so the displaying temperature range is 32°C-42.5°C (86°F-108°F)

f). Data saving

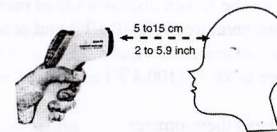
The testing data is saved automatically and it displays the latest result in the right bottom. You can press "UP" and "DOWN" to check the history results.

g). Change battery

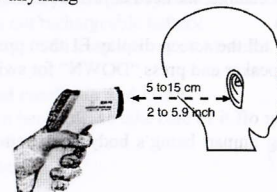
When LCD display "", it means the battery need to be changed

Steps:

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- e). When the environment impact the forehead temperature too much please check the part behind the ear and make sure it's not block by anything



11. Setting

a). Setting the format of the temperature---F1

Keep pressing "MODE" for 2 seconds till the screen display F1, then press "DOWN" to choose °C and "UP" for °F

b). Alarm temperature setting---F2

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1. Open the battery shell and take out the battery.

2. If you don't use the device please take out the battery to avoid the damage

Please pay attention to the pole when input the battery otherwise it will burn the device

No rechargeable battery allowed for this device

h). Device life

This device can support 40,000 times testing.

12. Warning

. The glass on the screen is very important and it's easy broken. Please be careful when use it.

. Don't charge the battery for it. It's not rechargeable battery.

. Don't keep it under too much sunlight and keep it away from water.

13. How to keep the device in good condition and clean

. The most important part is the scan head, please take care of it.

. Clean the surface with 70% alcohol cotton

. Don't use the corrupt cleaning dose

. Keep it away from all the liquid

. Keep the device in dry place and avoid dust and away from pollution or sunlight

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14. Repair

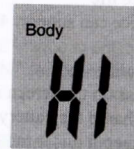
If you meet any problems during using it please follow below instructions for the solution. If problems are still there please contact our customer service.

LCD can't display the data

When It's in body temperature status, below 32 Celsius or above 42.5 Celsius, there is no data display in the screen. It will display "LO" or "HI" only

LCD display "HI"

It means the temperature is above 42.5 Celsius.



LCD display "LO"

It means the temperature is below 32 Celsius

There are some reasons for the "LO" and "HI" displaying for reference



Reason for displaying "LO" or "HI"	suggestion
Impact by hair or sweat	Make sure no block when testing
Impact by the unstable air	Make sure the air is stable
Impact by the far distance	Pay attention to the distance (5cm-15cm or 2 inches-5.9 inches)
From outdoors to indoors with big difference of temperature	Please wait for 10 minutes after the human body fit environment temperature

15. Indication

Electromagnetic compatibility declaration:

This product already got EU 60601-1-2:2007 certificate for the Electromagnetic compatibility. But that not means this device can absolutely avoid the interference from Electromagnetic environment.

According to the Electromagnetic compatibility and it is medical electronics, please pay attention to it when operating this device and follow the instructions.