

五折页 65x160mm 整体尺寸:325x160mm (80G双铜)

1. Introduction

Shikon Non Contact Forehead Infrared Thermometer is a professional thermometer for measuring the forehead temperature of a human body. The testing result will be different as per the status of the skin.

2. Cautions

- Please read this user manual before switching on the device.
- Operating temperature is between 10°C and 40°C.
- Please keep this device away from objects with electricity.
- Please do not store this device in temperature above 50°C or below 0°C.
- Please do not use this device in humidity range above 85%.
- Please keep this device away from any electromagnetic range (Eg. radio, mobiles, etc).
- Do not expose this device to the sun, close to the fire or immerse into water.
- Do not hit the device hard or 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 1 cm to 3 cm.
- For a more accurate measurement value of body temperature, when the ambient temperature changes too fast, put the device aside for 15 to 20 minutes before the measurement.
- If there is sweat on the forehead or other reasons causing abnormal body temperature, please measure the temperature after the earlobe.
- Use alcohol to wipe the surface lightly when the device needs to be cleaned.

Notice:

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

3. Features

- Non Contact and accurate.
- Selection between °C and °F.
- Beep alarm to indicate high body temperature.
- Auto power off function.
- LCD display resolution : 0.1 °C(0.1°F).
- Backlight LCD digital display.

4. Other Information

This device 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	36.6-38.0	97.8-100.4
oral	35.5-37.5	95.9-99.5
axilla	34.7-37.3	94.4-99.1
ear	35.8-38.0	96.4-100.4

The body temperature changes in different times in a day. It also can be influenced by the other external conditions, for example age, gender, skin color, etc.

5. The average range of normal temperature in different age group


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. Disposal

Adjusted mode	32.1	32.2	37.2	37.8	37.4	42.3	42.4
Direct mode	29.8	29.9	36.3	36.5	36.6	42.7	42.8

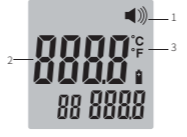
7. Parts and Formation

- Infrared probe
- LCD screen
- Mode button
- Down button
- Up button
- Backlight switch
- Testing key
- Battery cover



8. Display screen Indicators

- Alarm signal
- Result display
- Temperature selection (°C/°F)



9. Description of Symbols

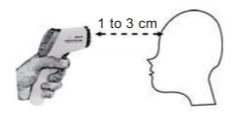
	DC 3V 2x1.5v AAA
	Type BF equipment
	If you want to dispose the thermometer, do not mix with general household waste. There is a separate collection system for used electronics products in accordance with legislation under WEEE Directive (Directive 2002/96/EC) and is effective only with in European Union.
	The device is in accordance with RoHS 2011/65/EU
	The material is PVC
	CHN Green Point Mark.
	Keep dry and protect it from moisture and water.
	Mandatory reference manual.
	This symbol indicates instructions or directions that must be followed in order to avoid damages to user or the other people.
	Symbol for "MANUFACTUREE"
	The device complies with the European directive on medical devices.

10. Technical Indications

Data format solution	0.1°C(0.1°F)
Ambient temperature	10-40°C(50-104°F)
Storage temperature	0-55°C(32-121°F)
Relative humidity	20%-85%RH
Storage humidity	<=90%
Power supply	DC3V(1.5AAA) x 2 Batteries (not included)
Specifications	132x98x36mm
Weight	Gross 172g
Range of measurement	Body temperature Mode: 32.0-43.0°C Surface temperature Mode: 0.0-100.0°C
Accuracy (body)	32.0-34.9°C/89.6-94.8°F ±0.3°C/0.5°F
	35.0-42.0°C/95.0-107.6°F ±0.2°C/0.4°F
	42.1-43.0°C/107.8-212.0°F ±0.3°C/0.5°F
Measurement distance	1 to 3cm
Auto-shutdown time	About 15s
Operation pressure	10°C-40°C, 20%-85%RH or less, 700-1060hpa
Measure position	Centre of forehead
Power consumption	<10mW

11. Operation

- Insert the battery in the battery shell. Please follow the pole indicator for correct battery position.
- Waiting for 10 minutes for the first time after inserting the battery.
- When it is 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 3cm 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).



12. Setting


a). **Setting the temperature format---**F1
Keep pressing "MODE" for 3 seconds till the Screen display F1, then press "▼" to choose °C or "▲" for °F.

b). **Alarm temperature setting---**F2
Keep pressing "MODE" for 3 seconds till the screen display F1 then press "MODE" again to enter into F2 then press "▲" for increasing alarm temperature 0.1°C(0.1°F).
Attention: The default alarm temperature is 38.0°C (100.4°F).

c). **Buzzer ON/OFF---**F3
Press "MODE" button for 3 seconds till the screen display F1 then press "MODE" twice to enter into F3 then press "▼" to close the buzzer (a sound icon will disappear) and press "▲" to open the buzzer (a sound icon is displayed on the LCD screen).

d). **Out of setting**
Keep pressing "F" until it's power off.
This device is specialized for testing human being's body temperature so the displaying temperature range is 32.0°C-43.0°C(89.0°F-109.4°F).

e). **Change battery**
When LCD display below content, it means the battery need to be changed.



Steps:

- Open the battery shell and take out the battery.
- Take out the battery in case the thermometer is not used for a long period.

Please pay attention to the pole when inserting the battery otherwise it will burn the device. No rechargeable battery is allowed for this device.

3. Device life: This device can support 40,000 times testing.

4. Degree of protection against electric shock: Type BF

13. Warning

- The glass on the screen is very important and it can easily be broken. Please be careful when using it.
- Do not charge the battery as it is not a rechargeable battery.
- Don't keep it under too much sunlight.

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

- Please take care of the scan head as it is the most important part of the device.
- 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 a dry place away from dust, pollution or sunlight.

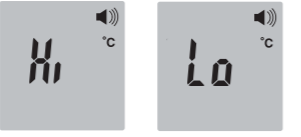
15. Repair

If there is any problem while using the device, follow the instruction given below.

LCD can't display the data
When it's in body temperature status, below 32.0 Celsius or above 43.0 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 43.0 Celsius.

LCD display "LO"
It means the temperature is below 32.0 Celsius.



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

Reason for displaying "LO" / "HI"	Suggestive reasons
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 (1-3 cm)
From outdoors to indoors with big difference of temperature	Wait for 20 mins after the human body fits environment temperature

16. Indication

Electromagnetic compatibility declaration:

The parts used in this device already got EU 60601-1-2 certificate for the Electromagnetic compatibility. But that does not mean this device can absolutely avoid the interference from Electromagnetic environment. Electromagnetic compatibility and it is medical electronics, please pay attention to it when operating this device and follow the instructions.

17. This appliance confirms to the following standards

EN: 980: Graphical symbols for use in the labeling of medical devices


EN: 1041: Information supplied by the manufacturer with medical devices

EN: 60601-1: Medical electrical equipment Part 1:General requirements for safety(IEC:60601-1)

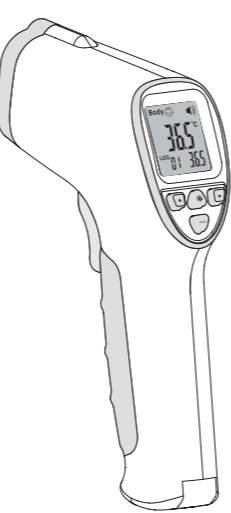
EN:60601-1-2:Medical electrical equipment Part 1-2:General equipments for safety Collateral standard

Electromagnetic compatibility Require ments and test (IEC:6060-1-1-2)

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From the house of **MORNING WALKER**



Non Contact Forehead Infrared Thermometer
SK-078

Product User Manual

Please read the user manual carefully before use