



## Non-Contact Infrared Thermometer

SK-087



### Product User Manual

Please read the user manual carefully before use

#### 1. Introduction :

Shikon Non Contact Forehead Infrared Thermometer is a professional thermometer for measuring the forehead temperature of human body and objects. 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.
- Please keep this device away from objects with electricity.
- Please do not store the device in temperature above 50 °C or below 0 °C.
- Please keep this device away from any electromagnetic range (Eg. radio, mobile, etc)
- Do not hit the device hard or use it if it has been damaged.
- Use alcohol to wipe the surface lightly when the device needs to be cleaned.
- Operating environment :  
temperature: 5°C~ 40°C  
relative humidity: 15%~80%
- Do not scratch the lens of the measuring head to avoid affecting the accuracy of temperature measurement.

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- Seek medical attention if you have a high fever or a prolonged fever, especially in young children.

- If non-manufacturer supplied accessories are used, the measurement results may be incorrect.

- The Product is suitable for all age with clinical accuracy or clinical deviation not exceeding  $\pm 0.2^{\circ}\text{C}$ .

- Product pictures are for reference only. please refer to the actual product!

- This product can be used in home and clinic.

measuring point	degree Celsius ( °C )	Fahrenheit ( °F )
forehead	36.0 ~ 37.2	97.4 ~ 98.4
antrum auris	35.8 ~ 38.0	96.4 ~ 100.4
oxter	34.7 ~ 37.3	94.4 ~ 99.1
oral cavity	35.5 ~ 37.5	95.9 ~ 99.5
anus	36.6 ~ 38.0	97.8 ~ 100.4

#### 3. Features

- Non Contact and accurate
- Selection between °C and F
- Deep alarm to indicate high body temperature.
- Auto Power of function
- LCD display resolution : 0.1°C (0.1°F)
- 3 color Backlight LCD digital display.

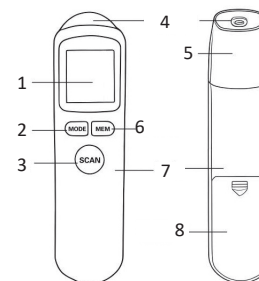
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#### 4. The average range of normal temperature in different age group

age	normal temperature C	normal temperature F
0-2	36.4-38.0	97.8 - 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

#### 5. Parts and Formation

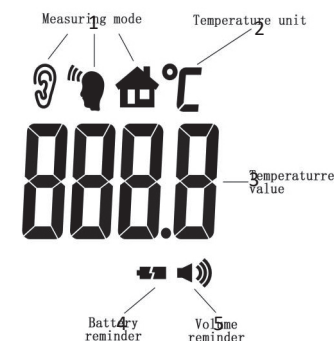
It is composed of temperature measuring head, dusokay screen and body



1. LCD Screen
2. Mode
3. On/Off Measure
4. Measuring head
5. Probe protection cover
6. Memory
7. Body
8. Battery cover

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#### 6. Display Screen Indicators



1. Measuring Mode
2. Temperature unit
3. Temperature value
4. Battery reminder
5. Volume reminder

Measurement mode : This product has three modes, ear temperature mode, forehead temperature mode and object temperature mode.

Temperature value: Display the temperature reading when the measurement is complete.

Temperature unit : display the measurement temperature unit, °C is celsius, °F is Fahrenheit

Battery prompt: When the battery is not enough, the icon prompts you to replace the battery.

Sound Prompt : Sound switch prompt.

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#### 7. Specifications

Measurement range	32.0°C - 42.9°C / 89.6°F - 107.6°F
Measurement accuracy	$\pm 0.1^{\circ}\text{C} / \pm 0.2^{\circ}\text{F}$
Memory function	32 groups
Operating environment	Temperature +5°C ~ +40°C
	Relative humidity 15% ~ 80%
	Air pressure (80 ~ 105) kPa
Transportation and storage environment :	Temperature -20°C ~ +55°C
	Relative humidity 15% ~ 80%
	Air pressure (80 ~ 105) kPa
Power	2 x AAA batteries (DC.3V)
Dimension	162 x 41 x 45 mm
Weight	80g (excluding battery)
Automatic Shutdown	60s $\pm$ 10s unused
Accessory	One non contact infrared thermometer, One manual, 2 x AAA batteries

#### 8. Measurement Precautions

- To get accurate result it is suggested to keep the product in a general environment with room temperature for at least 30 minutes before use.

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- The object should be at room temperature for at least 30 minutes before the measurement to balance body temperature.

- After strenuous exercise, you should rest for at least 30 minutes before taking measurement.

- Avoid sweat or oil on the forehead before use, and keep the forehead clean and dry.

- When measuring continuously and repeatedly, please remove the probe head between each measurement and rest for at least 5 seconds before the next measurement to obtain accurate measurement results.

- The normal measurement value is about 35.5°C ~ 37.8°C. If there is any abnormality, pay attention to the changes in your body or ask your doctor.

- After each measurement, the probe head should be cleaned with alcohol to avoid dirt blocking and affecting the measurement results.

- The position and physical condition of the person taking the measurement will affect the temperature measurement.

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#### 9. Operation Declaration

- Press the SCAN key to start and then press SCAN for temperature measurement after starting up.

- After the device is on press the MODE key to switch between normal mode or object mode. Remove the probe protective cover to automatically enter ear temperature mode.

- Long press the MEM key for 3 seconds to enter the setting mode : pressing the SCAN key in the Setting mode is invalid.

- Setting the temperature format---F1 keep pressing MEM for 3 seconds. till the screen display F1, then press MEM to Choose °F or °C.

- Alarm temperature setting---F2 Keep pressing MEM for 3 Seconds till the screen display F1 then press MEM again to enter into F2 then press or increasing/decreasing alarm temperature 0.1°C (0.1°F). Attention : The default alarm temperature is 38.0°C (100.4°F)

- Buzzer ON/OFF---F3

Press MEM button for 3 seconds till the screen display F1 then press MEM twice to enter into F3 then press MEM to close the buzzer (a sound icon will disappear) and press MEM to open the buzzer (a sound icon is displayed on the LCD screen).

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#### Beep Sound ---F4

- To keep the beep sound on press sound press MEM button & to keep beep sound off press MEM button. In on mode, press the MEM key to enter the memory mode. There are 32 groups of memory in total. Press the MEM key to view the data of memory groups. Press SCAN to exit the memory mode and enter the normal measurement mode.

- In the start mode, long press the MEM key for 3 seconds to clear all memory data.

- If no operation is performed for 60s  $\pm$  10s, the device will shut down automatically.

#### 10. How to keep the device in good condition and clean

- Do not clean the device in water or volatile solvents containing benzene or pigment.

- Do not place the device in the environment of direct sunlight, high temperature, humidity, dust and compression.

- Before use please check whether the appearance is damaged and gently wipe the lens of the thermometer with a cotton swab or soft cloth dipped in alcohol. After the alcohol dries, use the device.

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- After use, gently wipe the dirt on the body with a soft cloth.

- This product does not need sterilization. please wipe the body with 75% alcohol before and after use for cleaning and disinfection.

- This product has been strictly calibrated and tested. It is recommended to check and calibrate this product once a year. If you need to calibrate, please contact us.

- Do not carry out any maintenance by yourself. If there is any quality problem or any doubt about the correct measurement of the thermometer, please contact us.

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