Infrared Thermometer Operating Instruction Date: Mar 2020

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Product Warranty

From the date of purchase, the warranty card with seal shall enjoy 1-year free warranty. We do not provide free warranty service for the following faults caused by users:

 η , Faults caused by unauthorized disassembly and refitting of the product.

- $_{\rm 2x}$ Faults caused by careless drop during use and transport.
- 3. Faults due to lack of reasonable maintenance
- $4\,{}_{\rm X}$ Faults caused by fail to operate according to the correct instructions in the operation manual.
- 5 , Faults caused by improper repair of unauthorized repair shop, etc.
- 6. Maintenance services beyond the scope of warranty will be charged according to related regulations.
- 7 Please call our customer service hotline: 0755-26914205 when you require warranty service.
- 8. Please refer to the relevant national regulations for the product parts warranty.

Warranty Card

Product Name: _____ Product Model no.: ____ Purchase Date: _____ Customer Name : _____

Company Name:_____ Telephone no. : ____ Address: _____ Post Code: _____

Stamp:

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1. Range of Application	Warnings
Display the temperature of subject by measuring thermal radiation of forehead.	Make sure to remove the hair and sweat from your forehead before measuring.
2. Product Composition	🕅 To use this product cannot replace doctor's diagnosis.
The thermometer is composed of infrared sensor, microprocessor, liquid crystal display, etc.	In the event of a problem with this product, please contact the distributor and do not attempt to
3. Precautions, Taboos and Warnings	repair it by yourself.
	The protective glass on LCD frame is very important, which is the fragile part of this product.
Precautions	
1.Please read this manual carefully before use	Please do not charge non-rechargeable battery and do not throw battery into fire.
0 Westing to sectors of this and while 400 to 400, the entire lowering to sectors in 050	Please do not expose this product to the sun or near the stove, keep it away from water.

2. Working temperature of this product is 10C to 40C, the optimal working temperature is 25C.	Please do not expose thi	s product to th
3. Please do not use this product in the environment with temperature higher than 40C or lower than 10C.	4 技术指标	
4. Please do not place this product too close to the charged object to avoid electric shock.		
5. Please do not use this product in the environment with humidity higher than 80%.	Transport & Storage	Temperature
6. Please do not place this product too close to the electromagnetic range (such as radio, mobile phone, etc.)	Atmospheric Pressure	70kpa-106k
7. Please do not expose this product to the sun or near the stove, and keep away from water.	Indicating Unit Resolution	0.1°C
8. Please do not bump or drop this product, and do not use when it is damaged.	Accuracy	Body Temp
9. Hair, sweat, hat or scarf on forehead will affect the accuracy of measurement data.	10001009	Body Temp
10. Please make sure that the measuring distance is not more than 15cm.	Measuring Range	Body Temp
11. In order to get accurate, stable and reliable measurement, please measure from behind the earlobe	Measuring Distance	5-15cm
when your forehead temperature cannot properly reflect body temperature due to sweating or other reasons.	Operating Temperature	10°C-40°C
12. Please use alcohol to gently wipe the surface of this product when needed.	Operating Humidity	≤80%
13. In the event of a problem with this product, please contact the distributor and do not attempt to repair it	Power Supply	DC9V Batt
by yourself.	Automatic Power Off	90Sec
Taboos	Product Size	100X46X1
There is no standard body temperature. Please consult your doctor for fever.	Product Weight	125g (Batt
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Transport & Storage	Temperature−20°C−55°C Relative Temperature≤93%
Atmospheric Pressure	70kpa-106kpa
Indicating Unit Resolution	0.1°C
Accuracy	Body Temperature Mode: 35.0° -42.0 $^{\circ}$ Within range $\pm 0.2^{\circ}$ Body Temperature Mode: 35.0° -42.0 $^{\circ}$ Out of range $\pm 0.3^{\circ}$
Measuring Range	Body Temperature Mode:32.0°C-42.9°C
Measuring Distance	5-15cm
Operating Temperature	10°C-40°C
Operating Humidity	≤80%
Power Supply	DC9V Battery
Automatic Power Off	90Sec
Product Size	100X46X160mm(Length* Width * Height)
Product Weight	125g (Battery not included)

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5.Advice before Use

The infrared forehead thermometer requires relatively high surrounding environment, correct use method is key to get the accurate temperature.

(1).This product is a professional infrared forehead thermometer for measuring human body temperature. Different people may get different body temperature value. (2).Please place infrared forehead thermometer indoor for 20 minutes before use when the environment temperature changes greatly.

environment temperature changes greatly. (3) When the tested person comes from place with different environment temperature, he / she shall stay in the measuring environment for at least 5 minutes to start measuring. (4) The environment around the tested person shall be stable, should not in places with large air flow, such as near fan or air conditioner. (5) Please do not use this product outdoors or in a place with strong sunlight.

(6).Please do not hold the front of the thermometer by hand when measuring.

(7). The measured part shall not be covered by hair. please use a dry towel to wipe sweat before measurement when needed, otherwise the measurement result will be affected. (8).The measurement results of feverish patients maybe will be on the low side after his / her foreheadcoid compresses or sweating and other cooling measures, with which the measurement should be avoided.

(9).Comparison of different measurement methods The temperature measured by different methods will be different. See the table below for the specific temperature difference.

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6.Quick Use

6.1Battery Installation 6.2 Install batteries properly for first time use.

6.3 Align the measuring port of thermometer with forehead at a distance of 5-15cm. Make sure no hair, sweat, cosmetics or hat covering. Press the switch to start measurement.

6.4 Please measure from behind earlobe when the change of ambient temperature or sweat on forehead affects measurement. Meanwhile make sure there is no hair, sweat, cosmetics or hat covering.

Notes: Based on different skin color, thickness and body parts, as well as large changes in ambient temperature, the measured temperature value will be different, which is very normal. Because the more exposed human body is, the greater impact from ambient temperature will be.

7. Battery Replacement

With 9V battery, this product can be used more than 4000 times continuously under normal circumstances. When battery symbol appears or flashes on the upper right of the screen, it indicates that battery is low and needs to be replaced as soon as possible. (1)Open cover to replace battery. Please pay attention to correct positive and negative poles. The product is designed with battery anti-reverse connection device, even if the battery polarity is installed reversely it will not cause damage to the product, but product, will not work. (2)Please do not use rechargeable battery, but disposable battery, alkaline battery is recommended. (3)The static current is tiny when this product is not working. It is recommended to take out the battery when it is not used for a long time, to avoid battery leakage and damage the product.

Precautions:

1. When opening battery cover to replace battery, please pay special attention to polarity of battery, which may cause product damage if misplaced.

When product is not used for a long time, please take out the battery to prevent the thermometer from being damaged due to battery leakage.
 Do not use this product in case of battery leakage or mildew.

4.Do not place the battery close to or into fire to avoid explosion.

5.Do not store battery in high temperature or high humidity environment. 6.To avoid short circuit, please do not put battery in the same pocket or other containers together with metal objects such as coins or keys.

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8.Operating Instructions 8.1 Thermometer Components

Measuring Body Parts

Anal

Oral

Armpit

Cochlea

Forehead

(1)Infrared Sensor (2)Measuring Port (3)LCD Display (4)"+" Button (5)"-" Button (6)"M" Button (7)Backlight Button (8)Buzzer Button (9)Measuring Button (10)Battery Cover (11)Handle



Normal Temperature

36.6°C-38.0°C

35.5°C-37.5°C

34.7°C-37.3°C

35.8°C-38.0°C

35.8°C-37.8°C

8.20peration Steps

(1)When the thermometer is in body temperature measurement mode, press and hold the power on button will keep it measuring incessantly. If no need long time measurement, press the power on key once only to get temperature.

(2)Body temperature and material temperature.
(2)Body temperature and material temperature switching: Body temperature press and hold 'M' button (Notes: keep pressing), click backlight button to display human body temperature (Notes: there are body temperature highlighted on the screen), Material temperature; press and hold button (Note: keep pressing), click buzzer button to display the material surface temperature (Notes: the body temperature on the screen and the switching, click the measurement button, then you can get temperature measured.

(3)Historical data viewing: The instrument will automatically record up to 32 historical measurement data. If you want to view data please press "M" button, and then *+ or *-*, press *-1 to view the last temperature record, press *+* for the farthest record. Press + or - again to view one by one.

9.Button Instructions

(1)Press "M" button once to view historical measurement data, short press "+" or "-" to circle the records, up to 32 historical measurement data available. (2)If measurement result display "Lo" or "Hi", it is invalid measurement. These measurement results will not be recorded nor counted.

(3)Short press backlight button to turn on and off the backlight

(4)Short press buzzer button to turn the sound on and off.

10.Routine Maintenance

(1)External smudge: who the dirt with a clean soft cloth, or who it with a cotton swab coaked with medical alcohol, which also have sterilization and disinfection function. Please make sure do not use too much water or medical alcohol or it may flow into product to cause damage. In process of using this product, please follow prompts when you find following situations.

(2)Internal smudge: the lens of measure probe is an important component. To assure the accuracy of measurement please do not touch or press it with fingers or other objects. Wipe surface of lens with a cotton swab soaked with anhydrous alcohol with purity more than 95%.

Tips: do not use 75% disinfectant alcohol to wipe the lens (there will be water leftover), and do not use other chemical liquid to wipe the lens (it will cause damage).

(3)Storage: keep this product in a dry & dark place, not directly exposed in the sun.

11.Troubleshooting

If you found following problems when using our product, please refer to guides to solve the problem. Please call our after-sales service hotline if the problem still cannot be solved. (1)Temperature displayed on screen higher than 42.5°C

(2)Temperature displayed on screen lower than 32.0°C

(3)When temperature displayed is too high, please do not hold the front part of thermometer, holding the probe will make results measured on the high side.

(4)*HI displayed on screenin "body temperature" mode, when the measured temperature exceeds 42.5 °C, product will display Hi, please first check whether the measured part of the human body has been exposed to external heat source, if not, please call our after-sales service hotline for further instructions.

(5)"LO" displayed on screen

In "body temperature" mode, when the measured temperature is lower than 32 $^\circ C$, product will display "LO". Please follow prompts in following table to find out reason. If it is confirmed that it is not these reasons, please call our after-sales service holline. Reasons for display "LO"

Reasons for "LO"	Resolve advice	
Hair cover or sweat	Make sure nothing cover or sweat on forehead	
Cold Air blow forehead	Ensure the stability of air	
Forehead being cold compressed	Wait for 10min to measure after cold compress	
Measure distance too far	The optimal measurement distance is 5-15cm, thermometer no need touch skin.	

12.Graphic Symbol Instructions

Symbol	Instruction	Symbol	Instruction
Å	BF type device	†	No rain proof
\triangle	Refer to attached file	*	Hand hook forbidden
Ē	Refer to user manual	9	Fragile
	Direct current	11	Upperside

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14.Appendix EMC 14.1 EMC (Electro Magnetic Compatibility) ▲ Cautions: - This thermometer conforms to EMC (electromagnetic compatibility) standards YY0505. - The user shall install and use this product according to the EMC information provided in attached contents. –Portable and mobile RF communication equipment may affect the performance of this thermometer, avoid strong electromagnetic interference when using, such as near mobile phones, microwave ovens, etc. -See the attached table for guide and statement from manufacturer. Marnings: This thermometer shall not be used close to or stacked with other equipment. If it must be used close to or stacked, it shall be observed and verified that it can operate normally in the configuration. In addition to the cables sold by the manufacturer for spare parts, the use of accessories and cables other than those specified may cause decrease in anti-interference function of this thermometer. Wireless transmission and reception frequency: Transmission: 2403-2480MHz Reception: 2403-2480MHz Radiation Symbol: $((\cdot, \cdot))$ This thermometer may be interfered by other devices even when other devices meet the radiation corresponding standards. Table 1 Guidance and Manufacturer's Declaration - Electromagnetic Emission This thermometer is expected to be used in the following specified electromagnetic used in the following specified in electromagnetic

Emission Test	Conformity	Electromagnetic Environment Guidance	
RF Emission GB4824	Group 1	This thermometer only uses RF energy for its interna function, so its RF emission is very low, and the possibility of interference to nearby electronic equipment is very small.	
RF Emission GB4824	Class B		
Harmonic Emission GB17625.1	Class A	This thermometer is suitable for use in all facilities,	
Voltage Fluctuation / Scintillation Emission GB17625.2	Conform	including household equipment and connect to public low-voltage grid for home use.	

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Table 2			
Guidance and Manufacturer's Declaration - Electromagnetic Emission			
This thermometer is expected to be used in the following specified electromagnetic environment, and the buyer or user shall ensure that it is used in electromagnetic environment:			
Immunity Test	IEC 60601 Test Level	Conformity Level	Electromagnetic Environment Guidance
Electrostatic Discharge GB/T 17626.2	±6KV Contact Discharge ±8KV Air Discharge	±6KV Contact Discharge ±8KV Air Discharge	The floor shall be wood, concrete or tile, and if the floor is covered with synthetic material, humidity shall be at least 30%
Electrical Fast Transient Pulse Group GB/T 17626.4	±2KV For power cord	±2KV For power cord	The on-grid power supply should be of the quality typically used in commercial or hospital environment
Surge GB/T 17626.5	±1KV Line to Line ±2KV Line to Ground	±1KV Line to Line ±2KV Line to Ground	The on-grid power supply should be of the quality typically used in commercial or hospital environment
Voltage sag, temporary interruption and voltage change on power input line GB/T 17626.11	(5% U.(, Keep 0. Spariod (> 95% Sag on U.) 40% U.Keep 5 period 60% Sag on U.) 70% U.Keep 25 period (00% Sag on U.) <5% U.Keep 5S (>95% Sag on U.)	(5% U.f., Keep 0. Spariod (>95%, Sag on U.) 40% U.Keep 5 period 40% U.Keep 5 period (50% Sag on U.) (5% U.Keep 5S (>95% Sag on U.)	The on-grid power supply should be of the quality typically used in commercial or hospital environment if the user of this thermometer needs to run continuously during power interruption, it is recommended to use the uninterruptible power supply or battery.
Power Frequency Magnetic Field (50/60Hz) GB/T 17626.8	3A/m	3A/m 50Hz, 60Hz (if 60Hz available)	The power frequency magnetic field should have the horizontal characteristics of typical place as commercial or hospital.
GB/T 17626.8 commercial or hospital.			

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 Table 4

 The recommended isolation distance between portable and mobile RF communication equipment and this thermometer.

 This thermometer is expected to be used in an electromagnetic environment where RF radiation disturbance is controlled. According to the maximum rated output power linefrerence by maintaining the minimum distance between portable or mobile RF communication equipment (transmitter) and this thermometer as recommended below.

 The rated maximum to isolation distance (m) corresponding to different frequencies of transmitter output power of the 150 kHz-90 MHz do 1.2.7
 80 MHZ-95 GHZ do 9.2 GHZ Table 3 Guidance and Manufacturer's Declaration -Electromagnetic Immunity This thermometer is expected to be used in the following specified electromagnetic environment, and the buyer or user shall ensure that it is used in electromagnetic environment: Immunity IEC 60601 Conformity Electromagnetic Environment Guidance Test Level Level Portable and rephile and rephil Electromagnetic Environment Guidance Portable and mobile rf communication equipment should not be used closer to any part of the thermometer than the recommended isolation distance, including cables. The distance is calculated by a formula corresponding to the transmitter frequency. The recommended separation distance: 80 MHZ~800 MHz $d=1.2\sqrt{p}$ $150 \text{ kHz} \sim 80 \text{ MHz}$ $d=1.2\sqrt{p}$ $800 \text{ MHZ} \sim 2.5 \text{ GHz}$ $d = 2.3\sqrt{p}$ 0.010.120.120.23 $d=1.2\sqrt{p}$ 0.1 0.38 0.38 $d=1.2\sqrt{p}$ 80 MHz~800 MHz $d=2.3\sqrt{p}$ 800 MHz~2.5 GHz Transmission GB/T 17626.6 Radiofrequenc Radiation GB/T 17626.3 8V(Valid Value) 150KHz~80MHz 3V/m 80MHz~2.5GHz 3V(Valid Value) 3V/m P-According to the maximum rated output power of the transmitter provided by the transmitter manufacturer, in watts (W)-Accommended isolation distance in meters (m). The field strength of a stationary RF transmitter is determined by surveying the electromagnetic field and should be lower than the coincidence level at each frequency range. 3.8 12 12To the maximum rated output power of the transmitter not listed in above table, the isolation distance di in meters (m) is recommended, which can be determined by the formula in the frequency list of the corresponding transmitter. P is the maximum rated output power of transmitter provided by manufacturer, in watts (W). We 2: these guidelines may not be suitable for all the situations due to electromagnetic propagation may affected by buildings, objects and absorption /reflection of human body. ((**'**1)) Note 1: at 80MHz and 800MHz, the formula of higher frequency band is used. Note 2: these guidelines may not be suitable for all the situations due to electromagnetic propagation

13.List of Accessories DC 9V 6F22 Battery, User Manual, Warranty Card, Quality Certificate

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