


**User Manual**

• Infrared •  
Thermometer



Model : YS-ET03

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**Safety Information**

- This Infrared Thermometer measures the infrared radiation energy of the forehead or ear of the human body, and converts the infrared radiation energy into the corresponding body temperature value.
- This product is only suitable for the purpose described in the instructions. The manufacturer is not liable for damage caused by incorrect use.
- Please operate under appropriate environmental conditions.
- Never immerse the device in water or other liquids.
- Stop using it if you think this device is damaged or abnormal.
- Do not disassemble this device by yourself.
- In the early stages of fever, vasoconstriction occurs, and the temperature of the skin surface decreases. At this time, the measured temperature will be abnormally low.
- If the measurement result does not match the patient's diagnosis or the measurement temperature is abnormally low, repeat the measurement every 15 minutes or take another core temperature zone to calibrate the measurement result.
- This equipment includes sensitive components and must be treated with care. Storage and operating conditions are described in the product specifications section.
- Contains small parts, to avoid swallowing, children need to use under adult supervision.
- Keep away from extreme temperatures, shocks and drops, pollution and dust, direct sunlight, hot and cold environments.
- If not in use for a long time, remove the battery for safety.

**[Correct measurement method]**

1. Forehead measurement mode      2. Surface measurement mode  
Align forehead within 0-20mm      Align object to measure within 0-20mm

**Warning:**  
Use of this device is not a substitute for medical attention. This device is not waterproof, do not immerse it in liquid.

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**About battery operation**

**! FARCE** Please use 2 AAA (No.7) batteries. Do not use other batteries.  
• Otherwise, it may cause fire.

**! FARCE** In case the electrolyte in the battery accidentally gets into your eyes, sticks to the skin or clothes, rinse immediately with plenty of water.  
• There is a danger of causing blindness and other injuries, and you need to go to the nearest hospital for treatment immediately.

**! FARCE** Do not install the wrong positive and negative batteries. After the battery is used up, please replace it with a new one. Remove the battery when it is not used for a long time (more than 3 months).  
• Otherwise, it may cause battery leakage, heat generation, cracking, etc., and damage the main unit of the thermometer.

**! FARCE** Dispose of the battery after use according to the relevant environmental protection regulations of the urban area where you live.  
• If disposed of as a combustible material, a fire due to a battery explosion may cause burns and injuries.

**! FARCE** Please use according to the temperature and humidity standards described in this manual.  
• Otherwise, it may not be measured correctly.

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**1. Product introduction and classify**  
This Infrared thermometer is a high-quality product. It uses infrared technology and performs self-test every time it is turned on to ensure the accuracy of the measurement. It is mainly used to measure the temperature of the forehead or ear of the human body. This product can perform accurate and stable temperature measurement. Users only need to point the Infrared Sensor at the forehead or put the SCAN button in the ear, and the body temperature can be measured quickly and accurately in one second.

In order to ensure the accuracy of the measurement and the safety of use, please read the instructions carefully before use.

This product is widely used in school, custom, hospital, home and other places.

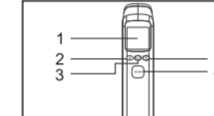
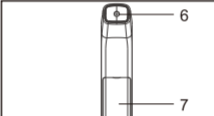
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**2. Product Characteristics**

① LCD Display      ② ▲ Button      ③ Mode Button  
③ Memory storage function      ④ Memory storage function  
④ Choose two temperature units of Celsius and Fahrenheit  
⑤ Automatic shutdown function, energy saving  
⑤ Automatic data hold & Auto power off

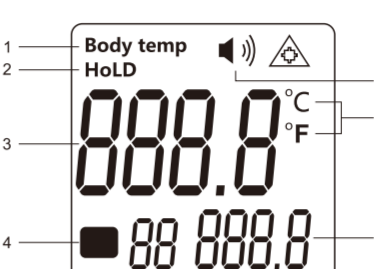

**3. Shape Structure**

① SCAN button      ② ▼ Button      ③ Infrared Sensor  
④ Battery Cover      ⑤ ▲ Button      ⑥ Mode Button  
⑦ Battery Cover      ⑧ Infrared Sensor

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① Body Temperature      ② Object Surface Temperature  
③ Tester Date      ④ Memory Date  
⑤ Power Status      ⑥ Measurement Switch  
⑦ History Date

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**4. Technical Specification**

Method	Non-contact
Operating distance	0mm-20mm
Body Measuring Range	Normal range:32°C-42.2°C(it shows 'Lo' when lower than 32°C, it shows 'Hi' when higher than 42.2°C)
Display Resolution	0.1°C/0.1°F
Body Accuracy	Body mode:35°C-42°C±0.2°C Others:±0.3°C
Operating Temperature	10°C-40°C (50°F-104°F) , Humidity:±85%
Storage Temperature	-20°C-55°C (-4°F-131°F) , Humidity:±85%
Power	3V 1.5W AAA(No.7)*2
Power Dissipation	±30mW
Low Voltage indicator	It shows battery symbol when battery voltage is too low.
Memory	32 groups
Display	(°C)/(°F)
Automatically turn off	30 sec-40 sec
Size	166mm*39mm*40mm
Net weight without battery	68.6g ( not including battery )
Body Accuracy	±0.3°C

**5. Operation**

**(1). Temperature Unit**  
Operation: Press '▲', it shows your body °C data when then screen shows °C. It shows your body°F data when the screen shows°F.

**(2). Operation mode modify**  
In standby, press '▲', it shows your body temperature when the screen shows Body 'Temp'; it shows the circumstance temperature when the screen shows 'HOLD' (You have to exit and try again when it shows'LOG').

**(3). Checking the history date**  
Stand by, press 'MODE' for three seconds, it will show 'LOG', Press '▼' or '▲' to check the history date, Press 'MODE' for three seconds to exit.

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**6. Trouble shooting**

Status	Explanation and reasons
HI	The analysis of 'HI' is that the temperature you are testing is above the measurement range selected(over42°C).
Lo	The analysis of 'LO' is that the temperature you are testing is under the measurement range selected(Below32°C).
	The analysis of this symbol show on the screen, suggest you change to new battery.

**7. Maintenance**  
Keep the surface of the thermometer clean and tidy, helps the life-cycles.  
Clean the product with soft cloth

**8. Caution**

**! Note:**

- The person and Infrared forehead thermometer shall in same status for at least 30 minutes.
- Do not use it in improper temperature or humidity.
- The surveyor shall not have drink, food or do exercise before testing.
- Put the product in the same position, or will cause different result.
- Rectal measurement is suggested for a 6 months baby.

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**■ Do not explore the thermometer near large electromagnetic fields such as found with cordless or cell phones.**

**■ Do not use the chemical such as gas to clean it.**

**■ Keep the device away from water and heat, including direct sunlight.**

**■ Take off the battery inside if long time no use (over 3 months).**

**■ Do not use it if there is some damage at the sensor .**

**■ Do not fall the thermometer heavily into the ground or it might get broken.**

**■ Do not put it with metal products together such as battery, or coin, in case of short circuit.**

**■ Do not expose to a fire, or it might explode. Battery should follow local standards.**

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**Electro Magnetic Compatibility**

**! Note:**  
• This product conforms to relevant requirements of YY0505 electromagnetic compatibility.  
• The user shall install and use the product according to the electromagnetic compatibility information provided in the random file.  
• Convenient and mobile RF communication equipment may affect the performance of the product, avoid strong electromagnetic interference when using, such as close to the mobile phone, microwave oven, etc.  
• The guide and manufacturer's statement are attached.

**! Warning:**  
• This product should not be used close to or stacked with other equipment. If it must be used close to or stacked, it should be observed to verify whether the equipment can operate normally under such conditions.  
• This product may be disturbed by other equipment even if other equipment meets the launch requirements of corresponding national standards.

**EMC Tables:**

Guidance and manufacturer's declaration-electromagnetic emissions			
The YS-ET03 is intended for use in the electromagnetic environment specified below. The customer or the user of the YS-ET03 should assure that it is used in such an environment.			
Emissions test	Compliance	Electromagnetic environment guidance	
RF emissions GB 4824	Group 1	The product uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.	
RF emissions GB 4824	Class B	The product is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies building wiring for domestic purpose.	
Harmonic emissions GB 17625.1	Not Applicable		
Voltage fluctuations Flicker emissions GB 17625.2	Not Applicable		

**Guidance and manufacturer's declaration-electromagnetic immunity**

The YS-ET03 is intended for use in the electromagnetic environment specified below. The customer or the user of the YS-ET03 should assure that it is used in such an environment.

Immunity Test	IEC 60601 test level	Compliance level	Electromagnetic environment guidance
Electrostatic discharge GB/T 17626.2	±8kV contact ±8kV air	±8kV contact ±8kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic fast transient/burst GB/T 17626.4	±2kV for power supply lines ±1kV for input/output lines	Not Applicable	Not Applicable
Surge GB/T 17626.5	±1kV (line) to line ±0.5kV (line) to earth	Not Applicable	Not Applicable

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**Guidance and manufacturer's declaration - electromagnetic immunity**

The product is intended for use in the electromagnetic environment specified below. The Customer or the user of the product should assure that it is used in such an environment.

Immunity test	IEC 60601 test Level	Compliance level	Electromagnetic environment guidance
Conducted RF GB/T 17626.6	3V(Value) 150 kHz to 80 MHz	Not applicable	Portable and mobile RF communications equipment should be used in close proximity to any part of the product, including the separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance: d = 1.2 √P 800 MHz-2.5 GHz d = 2.1 √P 30 MHz-800 MHz Where P is the maximum power rating of the transmitter (W) as indicated in the technical documentation of the transmitter. If the separation distance d should be less than the corresponding minimum range, interference may occur in the vicinity of the transmitter.
Conducted RF GB/T 17626.3	3V/m 80 MHz-25 GHz	3V/m	If field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, are found to exceed the compliance level in this table, the user should be advised to take appropriate protective measures. Such as reorienting or relocating the product. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

**NOTE 1:** At 80 MHz and 800 MHz, the higher frequency range applies.  
**NOTE 2:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**NOTE 3:** Field strengths from fixed transmitters, such as base stations for radio cellular/mobile telephones and mobile radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. The measured field strength in the location in which the product is used exceeds the applicable compliance level above, the product should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the product.  
Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

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**Recommended separation distances between portable and mobile RF communications equipment and the ME EQUIPMENT or ME SYSTEM**

The product is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the product can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the product as recommended below, according to the maximum output power of the communications equipment.

Immunity Test	IEC 60601 test level	Compliance level	Electromagnetic environment guidance
Rated maximum output power of transmitter(W)	150kHz-80MHz d = 1.2 √P	800MHz-800MHz d = 1.2 √P	800MHz-2.5GHz d = 2.3 √P
	0.01	Not Applicable	0.12    0.23
	0.1	Not Applicable	0.38    0.73
1	Not Applicable	1.2    2.3	
10	Not Applicable	3.8    7.3	
100	Not Applicable	12    23	

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.  
**NOTE 1:** At 80 MHz and 800 MHz the separation distance for the higher frequency range applies.  
**NOTE 2:** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**Description of hazardous substances**

The name and content of harmful substances in the product

Component	Hazardous substance					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Shell	O	O	O	O	O	O
PCBA	X	O	O	O	O	O
Package material	O	O	O	O	O	O
Battery	O	O	O	O	O	O
Li battery	X	X	O	O	O	O

**Remark:**  
This form has been prepared in accordance with SJ/T 11364.  
O: Indicates that the content of the harmful substance in all homogeneous materials of the component is specified limit of GB/T 26572 is as follows.  
X: Indicates the content of the hazardous substance in at least one homogeneous material of the component Exceed the limit stipulated by GB/T 26572.

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品名:	红外体温计-YS-ET03-英文说明书-20200314	规格:	128g 双铜 单色 双面印刷 尺寸: 70×150mm
版本:	20200314		
制作:	杨忠飞		
料号:	10.0105.0465		

红外线电子体温计说明书 YS-ET03 英文中文

128g铜板纸/单色双面印刷/70\*150mm/五折