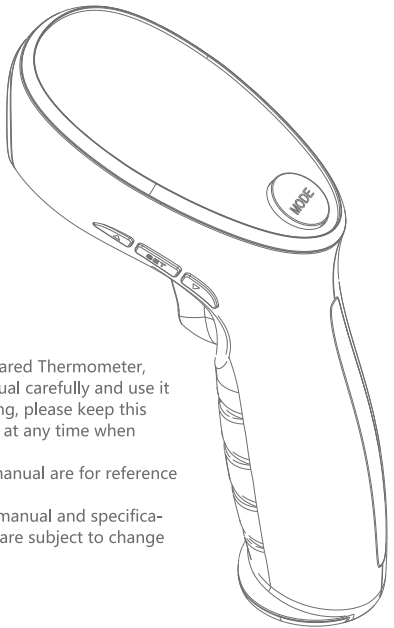


YONKER

Infrared Thermometer

Operation Manual

YK-IRT2



Before using this Infrared Thermometer, please read this manual carefully and use it correctly. After reading, please keep this manual for reference at any time when necessary. The pictures in this manual are for reference only. The contents of this manual and specifications of this product are subject to change without prior notice.

Version number: V1.2
The latest revision date: 07-2020
ENSMIRT2202007276/20080310.028/3.09.12.0015

Important safety instructions

1. Please do not use the infrared thermometer for the purpose beyond its original design. it suitable for medical unit and home use.
2. Since the infrared thermometer is not waterproof, please do not immerse it into water or other liquids. The cleaning and disinfection shall refer to the instructions in the section of Maintenance and Storage.
3. The infrared thermometer should be placed in a clean and dry place, away from the sun, at a best work temperature between 15°C-40°C and humidity between. 30%-85%RH.
4. Please do not touch the sensor with your finger.
5. Obstructions such as sweat stains, hair, hats or scarves may cause a lower temperature reading. Please remove obstructions to ensure accurate results.
6. Please do not drop, dismantle, repair or reform the product.
7. Please do not keep the infrared thermometer close to strong electrostatic fields or high-intensity magnetic fields, so as to avoid effects on the accuracy of the measured data.
8. In case of any problem, please stop using the product and contact the retailer. Please do not fix it on your own.
9. Please dispose of the product and battery according to local laws and regulations.
10. During long periods of non-use, please take out the battery so as to avoid liquid leakage due to an expired battery.
11. Do not insert new batteries along with semi-used batteries. Hazards or product damages may occur due to inconsistent battery discharge characteristics.

⚠ Warnings ⚠

- A. Please keep the infrared thermometer out of reach of children;
B. Please do not put the battery into a fire;
C. The usage of infrared thermometer cannot substitute for medical treatment.

Symbols and Definitions

	BF type application part	IP22	Frist characteristic numeral 2: Against ingree of solid foreign objects:≥12.5mm dimeter Second characteristic numeral 2 Against ingree of water with harmful effects:dripping(15° tilted)
	Separate collection		
	Refer to operation manual		Humidity range
	Cautions		Keep dry
	European union representative		Product certification

①

2. Technical specifications

Working environment: Ambient temperature: 15°C ~ 40°C
Relative humidity: 30% ~ 85%
Atmospheric pressure: 70kPa ~ 106kPa

Battery voltage: DC3V (2 AAA (7) batteries)
Product size: about 150mm×75mm×50mm (length × width × height)
Product weight: 120g (without batteries)
Measuring ranges: 34.0°C ~ 43.0°C
Range Indicator: <34.0°C Show Lo, >43.0°C Show Hi
Accuracy: < 35.0°C and >42.0°C : ±0.3°C
35.0°C~ 42.0°C : ±0.2°C
Measuring distance: ≤ 1cm
Tri-color backlit: ≤37.5°C Green
37.6°C ~ 38.0°C Yellow
≥38.1°C Red
Auto power-off: ≤60 seconds
Storage and transportation: Ambient temperature: -20°C ~ 55°C
Relative humidity: 15% ~ 93%
Atmospheric pressure: 50kPa ~ 105kPa

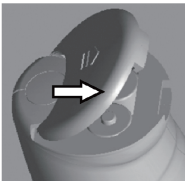
3. Instrument operation and usage

3.1 Installing batteries

1. Push the battery cover in the direction of the arrow to open;
2. Insert 2 AAA batteries, paying attention to positive and negative electrodes;
3. Press the battery cover and push in the opposite direction of the arrow to close.

Open battery cover

Close battery cover



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3.2 Preparing for measurement

The correct usage method is key for ensuring measuring accuracy. To avoid incorrect measurement, please operate according to the following tips:

1. When measuring body temperature, aim at the middle of the forehead (above eyebrows) and hold the product vertically, at a distance of ≤1cm, as shown in the following picture. When the “trigger” key is pressed, the measured value of temperature will be displayed on the screen.



⑤

2. Before measuring, please keep the forehead free from obstructions, such as hair, sweat, cosmetics or hat.
3. When the measured person has a relatively large difference in the temperature of the measuring environment, they are required to stay in the testing environment for around 5 minutes. After their temperature is consistent with the ambient temperature, measuring can be conducted again.
4. For fever patients, a cold compress on the forehead and other cooling measures will result in lower temperature measurements.
5. The ambient temperature around the measured person should be stable. The test cannot be conducted in places with larger airflows, including fan and air outlets of air conditioning.
6. Place the infrared thermometer in the operating environment for 20 minutes prior to using, so as to adjust to the relative ambient temperature.
7. Do not use the infrared thermometer in strong sunshine.
8. It is recommended to measure three times, so as to display the highest group of data.
9. When measuring a person's forehead temperature, please select the “body temperature” mode;

	Serial number		Lot number
	Date of manufacture		Temperature range
	Manufacturer		Keep away from sunlight
	Standby		Up toward

1. Product introduction

This product is a handheld non-contact Infrared Thermometer. It can record 34 sets of body temperature data. Product functions include high and low temperature prompts, backlight display of different body temperature ranges and auto shutdown.

1.1 Intended use

The infrared thermometer that we produced is specially for measuring body temperature, it can measure human temperature of forehead, it suitable for medical unit and home use.

User Group

Age: Adult/Children

-Fever patient;

-Other people who need to have their temperature taken

-Doctor

1.2 Contraindications

None

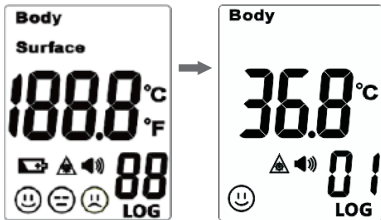
1.3 Product features

- 1.Accurate and fast: 1 second measure the temperature, easily and fast.
- 2.Health and safety: a non-contact measurement of forehead temperature, which has a measuring distance of ≤1cm, without contacting human skin, so as to avoid cross infection.
- 3.User-friendly and useful
- 4.Acousto-optic prompt: green, yellow and red backlights are used to indicate whether body temperature is normal, low fever or high fever, together with a sound prompt.
- 5.Smart analysis: it can store 34 sets of measured data for easy analysis and comparison.
- 6.Correction setup: its setup parameters can be revised, so as to adapt to different skin colors and human bodies with different characteristics.

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3.3 Starting measurement

1. Aim at the measured target and press the “trigger” key. Refer to the display screen for the results. Since the infrared thermometer will conduct a self-inspection when powering on, this picture will display for around two seconds.
2. After this self-inspection is completed, a “beep” will be heard (if the sound is turned on), which indicates that the product is on and the measurement has finished. Meanwhile, the display screen will indicate the results from the measured target.



⚠ Caution ⚠

If the temperature exceeds the set value of a low fever, the LCD backlight will be yellow.

If the temperature exceeds the set value of a high fever, the LCD backlight will be red and a crying face will be displayed, accompanied with three quick “beep” sounds.

After continuously measuring five times, please wait for at least 20 seconds to ensure measurement accuracy.

3.4 Switching measurement patterns

When powered on, a short press of the “MODE” key switches between the body temperature and surface temperature modes.

The body temperature mode can be used to measure human body temperatures

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1.4 Product structure



Diagram 1. Structure diagram of Infrared Thermometer

1. Sensor: this terminal aligns with the measured object or person.
2. Trigger key: used for power-on and taking measurements.
3. ▲ Up key: used to query memory data.
4. SET key: a short press can be used to turn laser positioning on/off; a long press can be used to turn sound on/off.
5. ▼ Down key: used to query memory data.
6. MODE key: switches between body temperature and surface temperature modes.
7. Display screen: displays measured data.
8. Battery cover: can be opened to replace battery.
9. Loudspeaker

1.5 Instruction of display screen

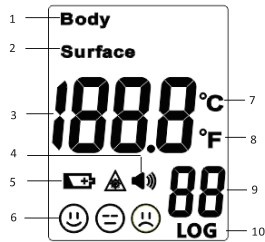


Diagram 2. Display screen interface

1. Body temperature
2. Surface temperature
3. Measured value of temperature
4. Sound/mute indicator
5. Low battery warning
6. Measured results: normal/low fever/high fever
7. Degrees Celsius
8. Degrees Fahrenheit
9. Number of memory sets
10. Memory symbol

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3.5 Viewing memory values

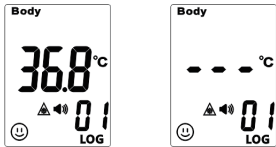
When powered on, a short press of the ▲ up key or ▼ down key will allow for memory queries.

To look over earlier measured values, quickly press the ▼ down key.

To look over recently measured values, quickly press the ▲ up key.

Note:

- 1) The higher the memory serial number, the earlier the measured value is. The lower the memory serial number, the more recent the measured value is.
- 2) If there is memory value, it will display the memorized value directly, or it will displays “---”, as shown in the following diagram.



- 3) The infrared thermometer can store 34 sets of recently measured values at most. The values beyond 34 sets are covered automatically in chronological order.

3.6 Deleting memory values

When powered off, press and hold the “MODE” key, while pressing the “trigger” key. This will display “CLr” and the product will shut down after two seconds. All the memory values will be deleted.



3.7 Unit setup

1. Unit setup F1

Turn the power on. Press and hold the “MODE” key until “F1” appears on the screen. Quickly press the down key (▼) to switch between temperature units °C/°F.

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