

## Infrared Thermometer Instructions



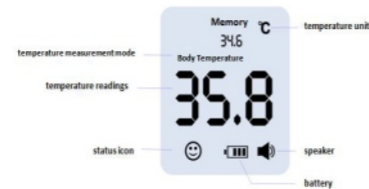
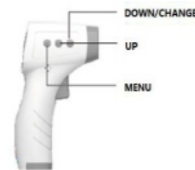
### Product Summary

Product model: YRK-002A Infrared thermometer  
 Use Range: Body surface temperature, forehead temperature. Objects with thermal radiation  
 Age restriction: unlimited ( can be used for infants over 3 months)  
 contraindication: none

### Appearance size

Size: 70 mm \* 38mm \* 143mm ( Length x width x height )

### Keys and screens



### Technical Parameter

Body temperature measurement	32.0~42.9℃
Surface temperature measurement	0~60℃
Basic accuracy	Body temperature mode:±0.3℃ Surface temperature mode:±0.8℃
measurement distance	1~5cm
Response time	1 second
Display Screen 3 colors prompt	White/Yellow/Red
Emissivity	Fix to 0.95

Spectral response	6~14um
Automatic power off	Automatic shutdown after 10s no operation
Operating temperature	10~40℃
Storage temperature	-25~55℃
relative humidity	30%~90%RHoperation, <80%RH storage
battery	1.5V AAA battery *2

Remarks: The accuracy formula is Measured in the environment of temperature 23 ℃~29 ℃, relative humidity less than 80%RH.  
 Emissivity: fixed to 0.95

### Measure temperature

Measured normal temperature  
 Anal 35.6~38℃  
 Oral 35.5~37.5℃  
 Amp 34.2~37.3℃  
 Ear 35.8~38℃

A person's body temperature changes at different times of the day and is also affected by other external conditions, such as age, gender, skin tone and skin thickness.

#### Normal body temperature range at different ages

0-2 years old, 36.4~38.0℃  
 3-10 years old, 36.1~37.8℃  
 11-65 years, 35.9~37.6℃  
 > 65 years 35.8~37.5℃

**Advice before first use:** In order to obtain stable and reliable temperature measurement data, please use the following steps to perform the necessary checks before using a non-contact infrared thermometer:

- Step 1: Use a traditional thermometer to measure someone, assuming a temperature of 37.5℃.
- Step 2: Use a non-contact infrared thermometer to measure the same person. Keep the distance between the thermometer and the forehead 1 to 5 cm (note any obstacles that may affect the measurement, such as hair, sweat, etc. are removed). A temperature of 37.5℃ indicates that the non-contact infrared thermometer can be used. If you get low readings, such as 36.4 degrees, 1.1 degrees difference, you need to calibrate the non-contact infrared thermometer, plus the difference.
- To do this: press and hold the "mode" button for two seconds, the screen displays F1, then press "mode" directly to enter F3, and then press the "+" button to plus the difference.
- Step 3: Measure again to check.

### Body temperature comparison table

Comparison table of human forehead temperature and actual body temperature (data for reference only):

Forehead temperature	34℃	35℃	35.6℃	35.8℃	36℃	36.2℃	36.4℃	37℃
Actual body temperature	36.2℃	37℃	37.5℃	37.7℃	37.8℃	38.0℃	38.1℃	38.5℃

### Function and operation

#### Dormant

No operation for 10 seconds after power-on, the display screen stays dormant, press and hold any one of "Menu" "+" or "-" "Temperature trigger" to wake up

#### Select "Object Temperature" / "Body Temperature" mode

Push the switch to "object temperature" mode to measure the temperature on object surface;  
 Push the switch to "body temperature" mode to measure the temperature on body surface

#### Temperature unit selection

Press and hold the "Mode" button for 2 seconds , the screen displays F1, press "-" to select Celsius

#### Alarm settings-menu F2

Press and hold the "Mode" button for 2 seconds, the screen displays F1, press the "Mode" button twice to enter F2, and then press the "+" button to increase the temperature value by 0.1℃.  
 Note: The default alarm value is 38℃

#### Difference setting -menu F3

Calibration of non-contact infrared thermometer  
 Press and hold the mode button for 2 seconds, F1 will be displayed on the screen, and press the mode button twice to enter F3  
 Then press the "+" key to increase the difference 0.1℃  
 "+" key decrease difference 0.1℃  
 Note: this function is only used in body temperature mode

#### On / off beep -menu F4(F3)

Press and hold the "mode" key for 2 seconds, F1 will be displayed on the screen, press the "mode" key for 3 times (2 times) to enter F4 (F3), press the "+" key to turn on the beep, press the "-" key to turn off the beep

#### Exit setup mode

Press and hold the mode key until the power is turned off.

The product is a professional non-contact infrared thermometer for measuring human body temperature, so the temperature range in human body mode is: 32.0~42.9℃.

The product can also be used to measure the surface temperature of objects, food and liquid or indoor temperature. The measurement range of surface temperature is 0℃~60℃.

Important: the human body temperature is different from the surface temperature, so the "body temperature" mode is usually selected for human body temperature measurement

#### Memory storage

The measured temperature value will be stored automatically and displayed in the lower right corner of LCD. Press "+" or "-" key to view the stored data.  
 In case of shutdown, press and hold "+" and "-" for about 2 seconds to view the stored data.  
 In this mode, adjust the storage location to 0, and press the "mode" key once to clear all stored data.

### Working conditions

- Environment temperature: -25℃~55℃
- Relative humidity: 15%~85%
- Atmospheric pressure: 70KPA~106KPA

The internal DC power supply DC3v has a relative error of ± 5%, -10% (two AAA batteries)

### Battery installation and replacement

When the LCD displays "battery symbol", it indicates that the battery is in low power state
Operation: unscrew the screw, open the battery compartment cover, replace the battery and pay attention to the correct position
Wrong placement may lead to product damage
Do not use rechargeable batteries, only disposable batteries

### Matters needing attention

The infrared thermometer is a precise electronic product. Please use it carefully. The infrared thermometer must be used under the working conditions required in this manual.

- Do not remove the thermometer from the measuring area before the end of beep
- Always place the thermometer in the same position, because different positions may lead to deviation of the temperature reading of the body
- According to the different skin color and skin thickness, the measured temperature will be different
- When measuring the temperature of the forehead, make sure that the forehead is clean and free of sweat, hair or hat blocking, otherwise the temperature will be low
- Do not fall to the ground or twist the machine
- The front of the display screen can be wiped and sterilized with alcohol cloth. Never put it into water or

- boil it with hot water for sterilization
- The protective glass outside the LCD frame is very important, and it is also the fragile part of the instrument. Please use it carefully
- Please do not use batteries not mentioned and do not charge non rechargeable batteries.
- Please do not expose the product to the sun or touch the water

### Information and error resolution

Screen display	Beep prompt	Possible reasons	Resolvent
HI		When the measurement results > 43℃	Please read the instructions in detail to set up a new measurement
LO	"Beep Beep Beep"	When the measurement results < 32℃	