

Non-contact Infrared Thermometer

Product Manual



1. Overview

This product measures an object surface temperature based on the principle of the amount of infrared radiation energy and wavelength it emits. During the measurement process, through accurate calculations and various compensation corrections in different environments, the measured Celsius temperature is displayed on the LCD screen.

2. Product Structure & Feature



- 1.IR sensor 2.LCD display 3.Body/Object &“-”button
4.Voice On/Off &“+”button 5.Memory/Setting mode button
6.Measurement Trigger 7.Handle 8.Battery Compartment

3. Technique Data

Model	YI-400
Type	Non-contact Measuring
Measured Distance	3cm-5cm
Range	32℃-42.5℃
Maximum allowable error	35℃-42℃±0.2℃
Display Resolution	0.1℃
Operating Environment	0℃-40℃ humidity≤85%
Transportation Storage Condition	-10℃-50℃humidity≤85%
Power Supply	DC 3V(2pcAAAbattery)
Backlight	High backlight (yellow-green, red)
Unit Displayed	℃
Automatic Powered Off	15s
Size	150mmX90mmX42mm
Weight	172g

4. Measuring Method

Press the button once to confirm that the display is on. Aim at the surface to be measured, click the measuring button for about a second, and then hear beep sound, then the display shows the measured temperature value.

If the temperature of the measured object is higher than the setting high alert value, the thermometer will alarm with beeps sounds 5 times and the display will turn red.

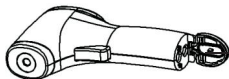


Warning:

- Please keep the sensor and probe cavity clean before use.
- Please measuring in a stable temperature environment, When the ambient temperature fluctuates greatly (such as from indoor to outdoor), please leave it for about 10 minutes before measure.
- When the measurement object comes from a place with a large difference in temperature from the measurement environment, it should stay in the measurement environment for at least 5 minutes.

5. Battery Replacement

When clicking the measuring key but the display is off or of lower brightness, the battery should be replaced.



When installing the battery, first open the battery cover, install the battery according to the positive and negative poles, and then close the battery cover.

6. Setting Operations

6.1 Temperature warning value setting

After pressing the "Set" key for 2 seconds, it will display F1. Then press the "+" key once. The screen displays 32.5 ° C. Each time you press the "+" key, the temperature increases by 0.1 ° C. After adjusting to the temperature warning value you want to set, press the "Set" key again, and the setting is successful after hearing two beeps sounds. Please note that the default alarm value is 38 ° C.

6.2 Temperature offset setting

Press setting key for 8 seconds, the screen display changes from F1 to F2, and then press the "+" key once, the screen displays 32.5 ° C, press "+" once to increase the difference by 0.1 ° C. After adjusting, press the setting key again, and you hear three beeps then set successfully.

6.3 Prompt on / off setting

Press the "Set" and "-" keys at the same time, and a beep sound will be heard as a shutdown of prompt. Press the "Set" and "+" keys at the same time, and hear a beep sound to turn on the prompt function. The factory setting is that the prompt sound is on.

7. Viewing temperature records

Press "+" or "-" key to view the temperature measurement records.