

INFRARED THERMOMETER



Model: IT-201

User`s Manual

Version 1.0

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1. In this Box

The box should have contained:

- 1× Thermometer
- 1× Stand
- 1× CR2032 battery
- 1× User's manual

2. Products Overview

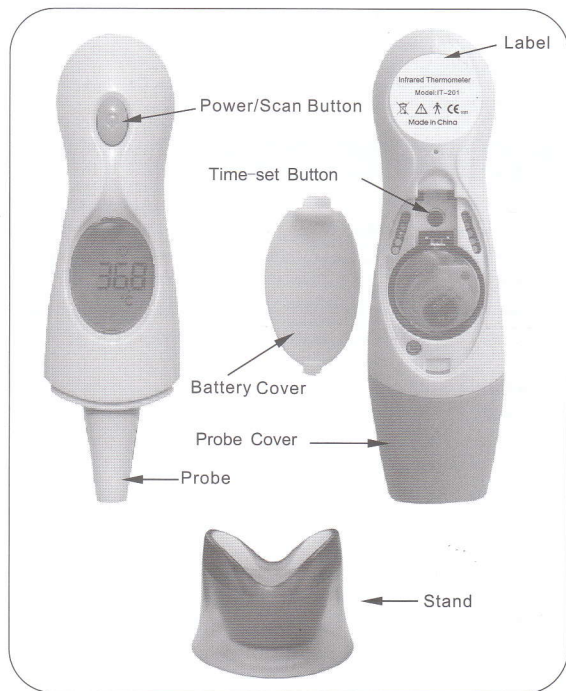
This thermometer takes both ear and forehead temperature in 1 second by measuring either the heat generated by the eardrum or the surface of the forehead, it also can take room temperature and has clock function.

It has been developed for optimum comfort, ease and speed of use and uses infrared technology to ensure high accuracy.

It has the following advantages:

- 1). **Multiple Function**
Digitally measures ear, forehead, room temperature and clock.
- 2). **Hygienic**
Just wipe clean, no need for probe covers
- 3). **Fast and Accurate**
Accurate reading in just 1 second.
- 4). **Easy to Use**
Operate with one button only, very simple to use.
- 5). **Automatically Displays the Last Temperature**
When switch on the device, it will show the last temperature.
- 6). **Backlight**
Every time when you operate, the backlight will be on for 15 seconds.

3. Illustration



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4. Definition of Symbols



Reading Display



Measuring in Progress



Ear Temperature Mode



Forehead Temperature Mode



Fever



Celsius Scale



Fahrenheit Scale



Clock



Low Battery



The Last Effective
Temperature Display

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5.Clock/Room Temperature

The first time you use the thermometer or when you change the battery, you can, if you wish, set the clock and choose the temperature reading unit, °C(Celsius) or °F(Fahrenheit)

1) Set clock

- Open the battery cover , switch on the device;
- Press the “Time-set“ button once, the hours will flash(Fig. 5.1) ;
- Set the hours using the “Power/Scan “ button ;
- Press the “Time-set“ button once again, the minutes will flash(Fig. 5.2) ;
- Set the minutes using the “Power/Scan “ button ;
- Press the “Time-set“ button the third time to end the time set operation(Fig. 5.3)



Fig. 5.1



Fig. 5.2



Fig. 5.3

If you do not set the clock, this does not prevent the thermometer from operating. Only the Clock/Room temperature functions will not be available

If you want to quit room temperature and clock display, only get out the battery and place it again.

2) Displays

The screen alternately displays the time and the room temperature.

(Fig.5.4)

This mode is only available if the clock has been set, if not, at the end of each reading, the thermometer will display the measured temperature for 30 seconds, then “OFF“ before switching off.

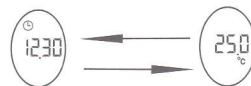


Fig. 5.4

6. Taking Temperature

1) Taking the forehead temperature

We recommend that you wipe the forehead with a paper tissue or piece of kitchen roll before taking the reading.

- Make sure that the probe cover is in the right position.
- From Clock/Room temperature mode, press the "Power/S can" button once
- The thermometer then displays all the symbols(Fig. 6.1) then the last reading recorded(Fig.6.2) then emits 2 "beeps", it now ready to take a reading.(Fig.6.3)
- Place the probe cover on a temple
- Press the "Power/Scan " button and keep it pressed down throughout the reading
- Keeping the probe cover in contact with the skin, sweep it across the forehead from one temple to the other for 2 or 3 seconds(Fig.6.4)
- Release the "Power/Scan " button, the thermometer emits 1 "beep" and the temperature reading is displayed for about 30 seconds.

- At the end of the 30 seconds the thermometer emits 1 "beep" and displays "OFF" before returning to Clock/Room temperature mode.(It displays "OFF" and switches off if the clock has not been set.)



Fig. 6.1



Fig. 6.2



Fig. 6.3



Fig. 6.4

2) Taking the ear temperature

- Make sure that the probe cover is removed.
- From Clock/Room temperature mode, press the "Power/Scan " button once.
- The thermometer the displays all the symbols(Fig.6.5) then the last reading recorded(Fig.6.6) then emits 2 "beeps". It is now ready to take a reading(Fig.6.7)
- Place the probe in the ear where you feel comfortable
- Press the "Power/Scan " button and keep it down as you rotate the probe inside the ear canal until the themomter emits 1 "beep" signifying the end of the reading(Fig. 6.8)

- The last temperature recorded is then displayed for about 30 seconds.
- At the end of the 30 seconds the thermometer emits 1 “beep” and displays “OFF” before returning to Clock/Room temperature mode. (It displays “OFF” and switches off if the clock has not been set.)



Fig. 6.5



Fig. 6.6



Fig. 6.7



Fig. 6.8

3) Moving from one mode to the other

To move from forehead temperature mode to ear temperature mode, simply remove the cover.

To move from ear temperature mode to forehead temperature mode, simply replace the cover.

7. Low Battery and Battery Replacement

Low battery: When the battery comes to low, the icon of low battery will appear on the bottom of the screen. Please replace the battery as soon as possible, however, the thermometer will continue to operate for some time. (Fig.7.1)

No battery: When the battery reaches its lowest level, the battery symbol flashes, the “Lo” display appears and beeps are emitted, (Fig.7.2) then power off automatically.



Fig. 7.1



Fig. 7.2



Fig. 7.3



Fig. 7.4

Battery replacement

- 1). Open the battery cover and take out the old battery (Fig.7.3)
- 2). Put a new CR2032 button battery with cathode downward into the battery seat. (Fig.7.4)

Note:

To deal with the old battery and the whole thermometer, please comply with the local law and regulations.

8. Changing Temperature Scale

The thermometer can display temperature scale in either °C or °F. The operation of how to change the temperature scales between °C and °F as: After all icons displaying and when the picture “ --°C” or “--°F” displaying, please press the “Power/S can” button, turn the °C to °F or °F to °C. Wait for 3 seconds and the thermometer will automatically enter the measurement mode.




* For some countries , it only has Celsius function.

9. Precautions for Using the Product

- 1). When your first use this thermometer, please put the battery into the thermometer.
- 2). With a water tight probe , after each use, the thermometer may be cleaned with a disinfectant wipe or cotton wool soaked in alcohol.
- 3). The body of the thermometer is not watertight, do not immerse it into any liquid.
- 4). Do not expose the device to the extreme temperatures for a long time.
- 5). Avoid violent impacts and do not drop the thermometer .
- 6). Avoid direct contact between fingers and the tip of the probe.

- 7). Do not try to disassemble the device.
- 8). The device is designed without ear caps, which are not necessary. Keep the probe clean, and protect it from earwax, sweat and oil stains. Otherwise, the infrared measurement function will not be accurate.
- 9). Do not measure body temperature within 30 minutes after meals, exercise or bath.
- 10). When the environment changes a lot (for instance, from indoor to outdoor), please wait in the new environment for about 30 minutes before measuring the new temperature.
- 11). The intervals shall be 10 seconds when constant measurements are made. It is normal that there are deviations in constant measurement between short intervals, in which case the average reading can be taken as the result.

10. Abnormal Conditions

Description	Meaning
	When the temperature of the measured object is higher than 42.9°C, the thermometer will show this icon
	When the temperature of the measured object is lower than 32°C, the thermometer will show this icon
	When the environment temperature exceeds the working temperature scope of the device. 10.0°C - 40.0°C (50.0°F - 104.0°F), the thermometer will show this icon

11. Product Specifications

Model	IT-201
Reading band	32.0°C-42.9°C (89.6°F-109.2°F)
Precision	±0.2°C/0.4°F 35.5°C - 42.0°F (95.9°F-107.6°F) ±0.3°C/0.5°F 32.0°C - 35.4°C (89.6°F-95.7°F) ±0.3°C/0.5°F 42.1°C - 42.9°C (107.8°F-109.2°F)
Resolution	0.1°C/0.1°F
Operating conditions	10.0°C-40.0°C(50.0°F-104.0°F) Rh ≤ 80%
Storage conditions	-25.0°C-55.0°C (-13.0°F-131.0°F) Rh ≤ 95%
Battery	1× 3V CR2032 button battery
Certificate	CE1023