



# INFRARED THERMOMETER AND CLOCK. Model SINFR107

## Product Characteristics

### • Multi-functions

The thermometer can be used to measure ear, forehead and room temperature and to show the time.

### • Accuracy and speed

It measures the temperature 512 times per second, conducts intelligent analysis of the measurements and displays the result in one second.

### • Convenience and ease of use

One-key design results in easy use; as it does not require probe covers it is more economical, more convenient and easier to use.

### • Easy cleaning

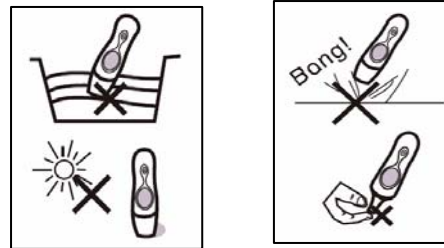
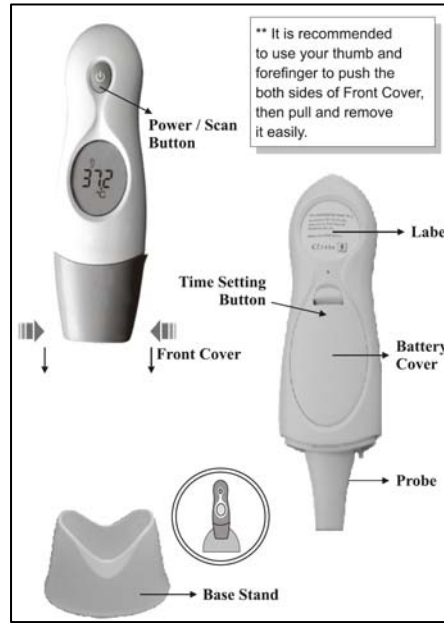
The probe end is waterproof, the thermometer should be cleaned after use with clean cloth or paper moistened with alcohol, **but the whole thermometer must not be dipped into fluids or liquids.**

### • Automatic display of memory

Each time the thermometer is turned on; it will automatically display the last measurement.

### • Fever Alarm

When the measured temperature exceeds 38.0°C, the thermometer will send out one long beep and two short ones and the display will show the icon for fever.



(Pictures 1-4)

## Safety and care of the thermometer

1. The probe is waterproof, the thermometer must be cleaned after use with clean cloth or paper moistened with alcohol after use. The whole thermometer must not be dipped into fluids or liquids.
2. Do not expose the device to the extreme temperatures for too long, for instance, in the car in direct sunlight.
3. Do not let it fall on hard surfaces or bang it against anything hard.
4. Do not touch the lens of the probe with your fingers.
5. Do not dismantle the device.

## Precautions on measuring.

1. The device is designed to be used without probe covers, which are not required.
2. Clean the probe after use as directed to protect it from earwax, sweat and oil stains. If not the infrared measurement may be affected.
3. Do not measure body temperature less than 30 minutes after having a meal or bath or taking part in exercise.
4. When changing environment (for instance, from indoor to outdoor), wait in the new environment for about 30 minutes before measuring the temperature.
5. Repeated measurements can be made at one minute intervals. It is normal for deviations to exist in repeated measurements with short intervals. An average value can be taken as the result.
6. There is no absolute standard value of body temperature. Measure body temperatures at the same time for a few days to establish normal body temperature and use this as a basis to determine whether or not a fever is present.
7. When the environmental temperature exceeds the working temperature scope of the device, the device will show "Err" symbols.
8. When the temperature of the measured is lower than 32°C, the "Lo" symbol will be displayed on the screen; when the temperature measured is higher than 42.9°C, the "Hi" symbol will be displayed on the screen.

## Display of time and room temperature

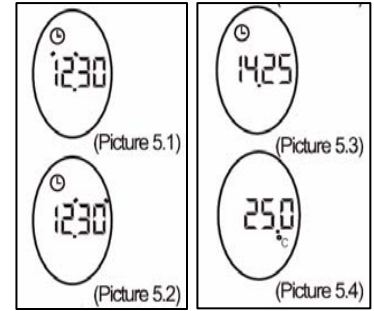
Set the time when you use the device for the first time or when you re-install the battery. The function for displaying the room temperature and time will automatically start up.

### 1. Setting the Time

Open the battery cap on the back, press the time-setting button to start hour (hour number flashes) and minute (minute number flashes) setting, press the scanning button on the front to adjust the numbers. (Refer to the Picture 5.1 & 5.2)

### 2. Mode of display

When time has been set, the thermometer will display the time and environmental temperature in turn while it is not being used to measure body temperature. (Refer to the Picture 5.3 .5.4)



## Measurement of Body Temperature in Ear Temperature Mode

1. When the system is in the state of time/room temperature display, press the scanning button, and the last temperature measurement will be displayed, then after "Beep-Beep" the system enters into the mode of measurement.

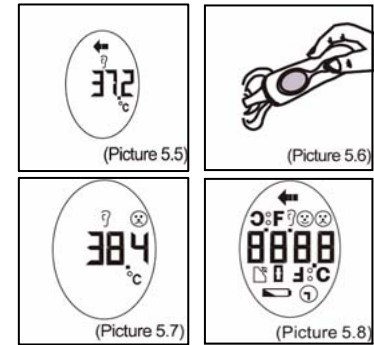
2. Remove the probe cap, and the thermometer is ready for the ear measurement mode. (Refer to the Picture 5.5)

3. When measuring the ear temperature, gently insert the probe into the ear first (refer to the picture 5.6), then press the scanning button. One second later you will hear "Beep" and you can take out the thermometer, and the measurement is completed.

4. When the measured temperature exceeds 38.0°C, the thermometer will send out "Beep-Beep-Beep-" a long one and two short ones, and the display will display the fever icon. (Refer to the Picture 5.7)

### Notes:

1. Keep the probe surface clean, or the measurement may be inaccurate.
2. Clean the probe with clean cloth or paper moistened with water or alcohol, and take measurements only after the probe surface is completely dry.



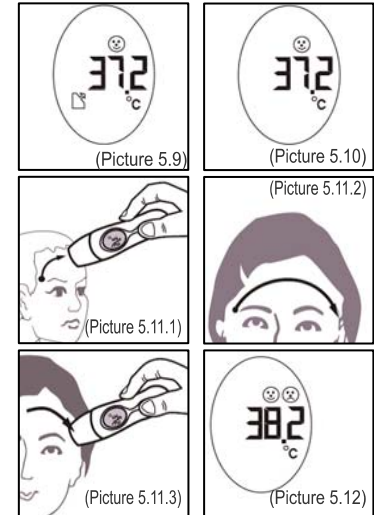
## Measurement of Body Temperature from Forehead

1. When the system is in the state of time / environmental temperature display, press the scanning button, and the last temperature value will be displayed. Then the system sends out "Beep-Beep" and enters into the measurement mode. (Refer to Picture 5.8-5.9)

2. Make sure the probe cap is on, and press the button of scan directly to measure the forehead temperature. (Refer to picture 5.1)

3. When measuring the forehead temperature, hold in the scanning button, put the tip of the probe cap at right angles to one temple with gentle pressure, and move it to the other temple across the forehead. Release the scanning button and the measurement will be shown. (Refer to the picture 5.11 .1-5.11.3)

4. When the measured temperature exceeds 38.0°C, the thermometer will send out "Beep--Beep-Beep-" a long one and two short ones, and the display will show the fever icon. (Refer to Picture 5.12)



### Notes:

When the product is used to measure forehead temperature, the reading is for reference only since the skin temperature can be significantly affected by the room temperature. If the forehead is damp, the measured temperature may not be accurate.

## Installation of Battery

When the battery is partially discharged, the icon for low battery will appear on the lower part of the screen. Although the battery can still be used, it should be changed as soon as possible. (Refer to picture 6.1) When the charge in the battery is lower than the minimal value, the "Lo" symbol will be displayed on the screen, and battery icon flashes and the sound of "Beep" is emitted (Refer to Picture 6.2). Until a new battery is inserted, the thermometer cannot be used.

## Changing the battery.

To take out the old battery open the battery cover (Refer to Picture 6.3.) Put a new battery CR2032 lithium battery in with cathode downward into the battery seat. (Refer to the Picture 6.4) replace cover.

## Note.

To dispose of old batteries or the whole thermometer, please comply with your local environmental procedures.

## Changing the measurements between °C and °F

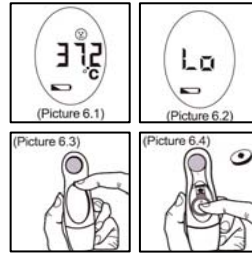
The infrared thermometer can display temperature measurements on either the °C or °F scale. To change the measurement scale between °C and °F., press and hold the power and scan button for 5 seconds. The display will alternatively flash °C or °F select the appropriate scale by pressing the power & scan button again. Wait for 3 seconds and the thermometer will automatically enter the measurement mode.

## Note:

SINFR107 provides both Fahrenheit and Celsius units

## Technical Data

Model Spec.	<b>SINFR 107</b>
Measurable Range	0°C–50°C (0°F ~122.0°F)
Accuracy for Ear measurement	Less than 36.0°C (96.8°F) or greater than 39.0°C (102.2°F) +/-0.3°C (+/- 0.5°F) From 36.0°C (96.8°F) to 39.0°C (102.2°F) +/-0.2°C (+/- 0.4°F) (conform to ASTM standard)
Accuracy for Forehead measurement	From 36.0°C (96.8°F) to 39.0°C (102.2°F) +/-0.2°C (+/- 0.4°F)
Resolution	0.1°C / 0.1°F
Operating Condition	16.0 °C to 40.0 °C (60.8°F ~ 104.0°F) (with 95% relative humidity or less)
Storage Condition	-20.0 °C to 50.0 °C (-4°F ~ +122°F) (with 95% relative humidity or less)
Battery	One 3V CR2032 Size Lithium Battery
Additional Features	1. POST (Power-On-Self-Test) 2. Scanning Mode: Continuous scanning, automatic latch of maximum temperature reading 3. Out of operating temperature (Lo/Hi) indication. 4. Low battery power checking 5. Probe cover free.



## Display Symbols and meanings

Display	Meaning	Action
	Display the time and environment temperature in turn while not used to measure the body temperature.	Set the time when you use the device for the first time or when you re-install the battery.
	Is displayed for 1 second when the Thermometer is first turned on.	Wait for the last memoried temperature to appear.
	Is displayed after the full display appears. Identifies the last measurement stored in the memory.	The thermometer is ready for measure.
	The quantity of electrical charge is not sufficient.	Though the battery can still be used, you'd better change it as soon as possible.
	The quantity of electric charge of the battery is lower than the minimal value.	Unless you change a new battery, you can't use the product to conduct measurement.
	Measured temperature too high.	When the temperature of the measured object is higher than 42.9°C.
	Measured temperature too low.	When the temperature of the measured object is lower than 32°C.
	Ambient temperature too high or too low.	When the environment temperature exceeds the working temperature scope of the device.

## Quality Assurance and Warranty

- Your Thermometer has a one year warranty from the date you purchase the product. This warranty does not affect your statutory rights. The product may be repaired or replaced at our discretion
- Failures resulting from misuse are not covered by the warranty e.g.:
  - Unauthorised opening of the product.
  - Damage to the product.
  - Improper use of the thermometer not in accordance with the directions.
  - Repairs conducted by companies other than our company or agents not authorised by our company.
- If your product needs to be repaired, please contact our company for instructions. After-sales service is available when it is returned complete and in its original, or other secure, packaging with prepaid postage. The product must be accompanied by a proof of purchase, either a warranty card stamped by the supplier or other proof of purchase (for example, an invoice or detailed till receipt).
- Repairs outside the warranty scope will be charged accordingly.



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