Infrared Thermometer User Manual

Before using this product, please read this user manual carefully and keep for reference.

Product description

The 640321 infrared thermometer is suitable for professional or rapid measurements of body temperature, room temperature and surface temperature.

THE PRODUCT IS NOT A MEDICAL DEVICE

Matters needing attention

- During the body temperature measurement process, the forehead should be dry and not covered by hair. The measurement will be more accurate when there is no wind.
- After exercising, showering or washing your face, you need to take a break in an area with little air movement before measuring.
- If the temperature changes in the working environment of the product, the patient and the Thermometer must spend 20 minutes in this environment before measuring can take place. In order to obtain stable and reliable measurement data, it must be ensured that the patient and the thermometer are always at the same ambient temperature. If the temperature is below 15°C, you have to wait about 2 hours for the next Measurement.
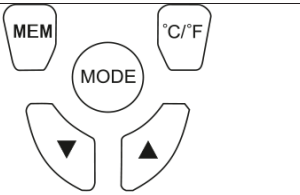- Please do not make the product exposed to sunshine or contact with water.

Normal working conditions

- Ambient temperature 10 ~ 35°C
- Relative humidity 85%
- Power voltage range: DC 9V w 0.9V;
- Battery model: 6LR61 art.-no.: 609281

Maintenance

- The induction window, which is the precision part of the product, shall be carefully protected.
- When the lens of sensor window is blurry and stained, please use cotton swab dipped with alcohol to wipe it gently.
- Please contact with our customer service department if you have any doubt, and do not repair it by yourself.

5. Layout of keys (figure: 1)

MEM	Start/stop temperature records function, delete data, voice switch
°C/°F	Changeover between °C and °F
MODE	Set temperature detection mode
▲	Up
▼	Down

(Figure：1)

7. Appearance and structure (figure: 2)

Display LCD

Function keys

Sensor

Release button

Battery compartment

Kindly install battery correctly to follow up the diagram illustration.

Do not mix battery positive and negative.

Product functions

MODE key can be pressed for switch over among the following 4 working modes:
1) Body temperature mode;
2) Surface temperature mode;
3) Room temperature mode;
4) View temperature records, voice switch mode.

Singe temperature measure can be performed by pressing the button key for one time.
Aim the measuring device at a distance of approx. 1 to 20cm to the object to be measured.
Press the release button and after the beep you can read the measurement result.

Icon display
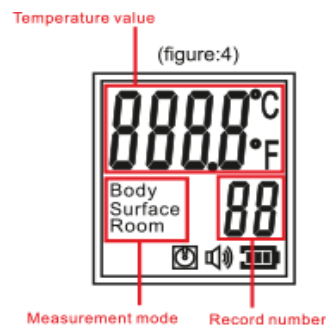The icon indicating battery level ▭, when ▬ is shown, then the battery power will be used up soon, and a new battery needs to be replaced.
Storage function, press MEM key to display/ hide the icon , corresponding to start/ stop of storage function. 50 groups of temperature records can be stored. Press MODE key to View the temperature records mode; the storage icon will flash, and then press AV to View the historical temperature records;
Function of deleting all temperature records: In the OFF state, long press the MEM button for approx.10 seconds and then press the release button at the same time.
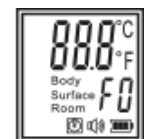The buzzer sends a signal tone and confirms this. All temperature records have been deleted.

(figure:4)
Temperature value
Measurement mode
Record number

Under the mode of viewing temperature records, when the storage icon flashes, MEM key can be pressed for ON/ OFF of voice symbol. (Common edition has no this function).

User setting

Perform long press for MODE key for 8 s under OFF status, the buzzer will send Beep sound for two times for prompting entry into setting mode.

(figure: 5)

F0 option (body temperature alarm function); alarm temperature can be changed according to user's requirements: operate according to the following steps:
User can press ▼or ▲ key to adjust the alarm temperature value:
▲: increase, ▼: decrease.
Press MODE key again for F1 option; this value is corresponding to the alarm value of surface temperature. User also can press ▲or ▼ key to adjust the setting value.
Press MODE key again to return to the measuring interface; and the temperature can be measured under the original temperature mode; i.e. use the infrared thermometer normally.

Parameters indication

Resolution ratio	0.1 °C (0.2 °F)	Repeated measurement error	w 0.2 °C (0.4 °F)
Measuring distance	1 ~ 20 cm	Measuring time	No larger than 2 s
Power voltage	9 V	Automatic OFF time	10 s
Measuring range	No smaller than 35 ~ 42 °C under body temperature mode		
Laboratory error	33.0 °C ~ 37.0 °C, No larger than 0.2 °C		
	Lower than 33.0 °C or higher than 37 °C, No larger than 0.4 °C		
Dimension	136 x 83 x 39 mm		
Weight	78 g		

Storage and transport

The product shall be stored in -20 °C ~ 50 °C dustless environment with the relative humidity of 85%. It shall not be exposed to sunshine, humidity or rain, and prevent large weight on it.

Description on safety classification

a) Classification based on electric shock protection: internal power supply equipment, type B applied part, common equipment.
b) If the product is not used for a long time, the internal battery shall be taken out and placed in a cool and dry place.
c) Scrapped battery shall be handled correctly and safely, and do not throw it into water or fire.

List for annex

a) One user manual
b) 9 V battery