

bioapp
"YOU THINK, WE DO!"



Product Information

Understand information for simpler and easier operation

A.LCD display area

B.setting

C.MODE

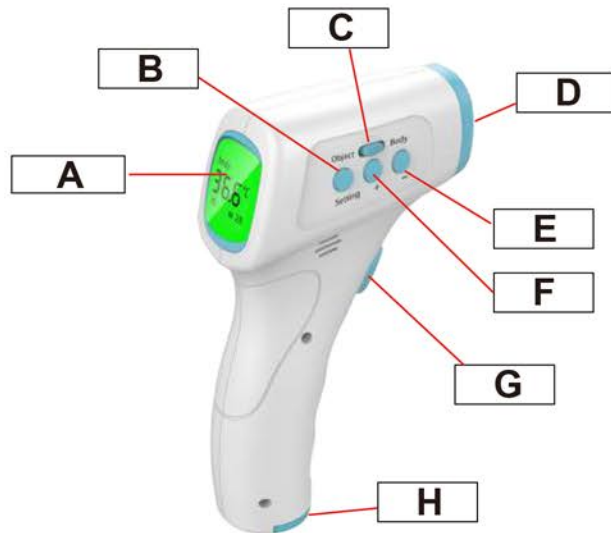
D.detecting area

E.Down

F.Up

G.testing key

H.Battery cover



For People	Unlimited Crowds	Memory array	32 Units
Measurement Method	Non-Contact	Power supply	DC.3V (AAA*2)
Measurement Site	Forehead	GB Size	115x49x172mm
Measuring Distance	1-3cm	Weight	136g
Measuring Range	Body: 30.0°C ~ 43.0°C	Max. allowable error	35°C~42.0°C (±0.2°C) Others (±0.3°C)

INFRARED THERMOMETER



JRT-017

INSTRUCTIONS

3.Caution

- Please read this user manual before switching the unit on.
- Operating temperature is between 10°C and 40°C.
- Please keep the thermometer away from electrical appliances.
- The unit should be stored only between 0°C to 50°C and below 85%RH.
- Keep away from sources with electro-magnetic radiation such as radios, mobiles, etc.
- Please do not expose the unit to sun, fire or water.
- Keep the unit safe from any impact. Do not use the unit in case of damage.
- Please ensure there is no sweat on the forehead and do not wear a hat or scarf as this would influence the measurement values.
- Ensure that the measuring distance is between 1-3 cm.
- In case of rapid changes in ambient temperature, use the unit only after 30 minutes to ensure more accurate measurement values.
- In case of sweat on the forehead or abnormal body temperature, please take the temperature of the earlobe.
- To clean, use alcohol to lightly wipe the surface.
- This thermometer is not intended to be used as a substitute for consultation with your physician or doctor.
- Please do not attempt to open or repair the product. For repair of the product, please contact customer care.

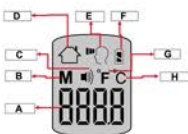
4.Components

- A. LCD display area
- B. setting
- C. MODE
- D. detecting area
- E. Down
- F. Up
- G. testing key
- H. Battery cover



5.Display screen

- A. testing result
- B. Memory
- C. Alarm signal
- D. Body surface mode
- E. Internal mode
- F. Battery mark
- G. Display mode in °F
- H. Display mode in °C



6.Features

- Non-contact and with a high accuracy of measurement.
- Two kinds of measurement mode: Body temperature or Surface temperature.
- Exchange between °C and °F
- Sound alert function to notify high body temperature.
- Storage capacity of the last 32 sets of measurement data.
- Function to save the data and to Auto Turn off.
- Function to auto select the range of measurement and LCD display resolution: 0.1°C (0.1°F)
- Backlight LCD digital display

1.Symbols used

3V ---	DC 3V2x1.5V AA
	Type BF equipment
	Disposal should be done in accordance with the rules/legislation applicable in India specified for the disposal of electronic waste. Do not dispose the unit in general household waste.
RoHS	The device is in accordance with RoHS 2011/65/EU
	The material is PVC
	CHN Green Point Mark
	Keep the unit in a dry area away from moisture or excessive humidity
	Mandatory reference manual
	This symbol indicates instructions or directions that must be followed in order to avoid damages to user or other people, to avoid damages to user or other people.

2.Introduction

The product is a professional thermometer for measuring the forehead temperature of adults and children.
The temperature display depends on the status of the skin.

7.Temperature ranges

a. Measuring position

Measuring position	Temperature in °C	Temperature in °F
Anus	36.6-38.0	97.8-100.4
Oral	35.5-37.5	95.9-99.5
Axilla	34.7-37.3	94.4-99.1
Ear	35.8-38.0	96.4-100.4

b. Normal body temperatures for different age groups

Age group (years)	Temperature in °C	Temperature in °F
0-2	36.4-38.0	97.5-100.4
3-10	36.1-37.8	97.0-100.0
11-65	35.9-37.6	96.6-99.7
>65	35.8-37.5	96.4-99.5

8.Operation

- Insert the battery.
- Wait for 10 minutes for the first time use.
- In case of use after a long period, please wait for 1-2 seconds for the unit to switch on as it detects the environment temperature initially.
- Focus on the forehead keeping a distance of 1-3 cm away and then press the button to start. The temperature will be displayed instantly. Please ensure the forehead is free of hair, sweat, cosmetic or hat.

10.Warning

- Handle the display screen with utmost care to avoid damage.
- Do not use rechargeable batteries.
- Do not use the unit under direct sunlight.
- Keep away from water.

11.Care of the product

- Use the scan head with care as this is the most important part of the unit.
- To clean, use cotton dipped in 70% alcohol.
- Keep the unit in a dry place, avoiding contact with water and away from sunlight and dirt.

12.Troubleshoot

- Please follow the below troubleshooting to attend to issues arising during operation of the unit.
- If the problem persists, contact customer care.



- In case of rapid changes in environment temperature, use the unit for checking the body temperature by focusing behind the ear keeping a distance of 1-3 cm away.



9.Setting

9.1 Temperature setting-F1

- Keep pressing the SETTING button for 3 seconds till the screen display shows F1. Choose the "°C" arrow for °C and the "°F" arrow for °F.

9.2 Alarm-F2

- Keep pressing the SETTING button and continue till the screen display shows F2.

- Press "°C" and "°F" arrow for increasing and decreasing the alarm temperature by 0.1°C (0.1°F)

Attention: The default alarm temperature is 38.0°C (100.4°F)

9.3 Buzzer On/Off-F3

- Press SETTING button for 3 seconds and then continue to press SETTING button two times more.
- So that the display shows F3.

- Press "°C/°F" button to close the buzzer (The sound icon will disappear)
 - Press "°C/°F" button to open the buzzer (The sound icon will display on LCD screen)
- ### 9.4 Abnormal display
- In case of any erratic display, press the ON/OFF button and switch off and re-start the unit.
(The unit is meant for measuring the temperature of the human body within the range of 32.0 to 42.5 °C or 89.6 to 108.5 °F.)
- ### 9.5 Measuring mode
- Press the button from right to left to change the mode from Body to Surface temperature measurement.
(The temperature range in this mode is 0.0 to 100.0 °C or 32.0 to 212.0 °F.)
- ### 9.6 Data saving
- The test results are automatically saved and is displayed at the right bottom of the screen.
- Press "°C/°F" arrow to check the history.
- ### 9.7 Change the battery
- The battery should be replaced when the display shows "sign".
- ### Steps:
- Open the battery shell and remove the battery.
 - Insert fresh batteries in to the compartment with the correct polarity +, -, otherwise the unit may be damaged.
 - Please do not use Rechargeable batteries.
(In case the unit is not used for a long period, make sure to remove the battery.)
- ### 9.8 Device life
- The unit can be used for taking temperatures for 40,000 times.
- ### 9.9 Protection against electrical shock
- As per Type BF.

Sr.no.	Problem	Display	Reason	Solution
1	No display in LCD screen		● In Body Temperature mode the temperature is below 32 °C or above 42.5 °C	Use within the specified range
2	Display shows "LO" or "HI"	 	● Surface covered by sweat or hair ● Unstable air environment ● Unit is too far from scan area	● Clear the scan area ● Wait till the environment temperature stabilizes ● Use the unit within 1-3cm from the scan area
			● Rapid and large change from indoor to outdoor temperature	● Wait for 20 minutes before taking the body temperature



13.Compliance

- Although the product is in compliance with EN 60601-1-2 certification for electro-magnetic radiation, care should be taken to avoid such interference from such radiation while using the unit.
- This product conforms to the following standards.
- EN 980-Graphical symbols for use in the labelling of medical devices
- EN:1041:Information supplied by the manufacture with medical devices
- EN-60601-1:Medical electrical equipment Part 1:General requirements for safety(IEC-6060-1)
- EN 60601-1-2:Medical electrical equipment Part 1-2:General requirements for safety Collateral standard

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