Infrared Forehead Thermometer

User Manual

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1. Instruction

This product measures human body temperature by collecting infrared thermal radiation from human forehead. User only needs to point the probe at the forehead and press ON/SCAN button to measure the body temperature. It widely used in schools, customs, hospitals, homes.

2. Basic Principle

Any object will release infrared radiation energy, and its surface temperature directly determines the size and wavelength of the radiation energy. Based on this principle, this product uses a high-precision infrared sensor that is specifically used to detect the human body temperature. The distance to the sensor should be within 5-14cm, and accurately measures the human body temperature through accurate calculations and various compensation corrections.

3. Feature

A. This high-precision infrared sensor;
B. Strong adaptability to ambient temperature;
C. Automatically save the last measured value;
D. Large LCD screen with high brightness backlight;
E. Two temperature units of Celsius and Fahrenheit can be selected;
F. Automatic shutdown to save power and energy;
G. Clean and hygienic: non-contact measuring forehead; temperature, measuring distance 3-5cm, not touching human skin, preventing cross infection.

H. One-click measurement; one-click check memory;
I. Multiple sets of memory: It can store 30 sets of measurement data for analysis and comparison.

3. Display:

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4. Technical Specifications

<table>
<thead>
<tr>
<th>Infrared Forehead Thermometer</th>
<th>Measurement Method</th>
<th>Non-contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement Method</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Measuring Distance</strong></td>
<td>1cm~5cm</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Measuring Distance</strong></td>
<td>35.0°C~42.0°C</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Measuring Temperature</strong></td>
<td>37.0°C~40.0°C</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Measuring Temperature</strong></td>
<td>32.0°C~35.0°C</td>
<td></td>
</tr>
<tr>
<td><strong>Ambient Temperature</strong></td>
<td>0°C~40°C</td>
<td></td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>2 x 1.5V AAA</td>
<td></td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>20 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Backlight</strong></td>
<td>High brightness backlight</td>
<td></td>
</tr>
<tr>
<td><strong>Display Unit</strong></td>
<td>Celsius (°C) / Fahrenheit (°F)</td>
<td></td>
</tr>
<tr>
<td><strong>Automatic Shutdown</strong></td>
<td>Less than 20 seconds</td>
<td></td>
</tr>
<tr>
<td><strong>Software Release Version</strong></td>
<td>V1.0</td>
<td></td>
</tr>
</tbody>
</table>

4. Display:

Display:

Display HI

Display LO

Display Button

5. Parts

This product is mainly composed of display screen, infrared detection head, PCB board and housing.

List of accessories: 1 instruction manual (including warranty card), 2 AAA batteries, Battery Holder.

5. Display:

Before measuring, please make sure that the subject has not bathed or exercised within 30 minutes, and has been kept in a stable environment for at least 5 minutes.

6. Replacing Battery

1) Push the battery door downwards firmly, insert 2 AAA batteries, and cover the battery cover.

2) If not used for a long time (more than 3 months), please replace the battery.

7. Setting Up Your Non-contact Infrared Thermometer

In the power-on state, click the mode button to switch modes:

1) Body Temperature
2) Surface Temperature (Celsius)
3) Body Temperature (Fahrenheit)
4) Surface Temperature (Fahrenheit)

8. Taking a Body Temperature Measurement

This product provides you with a method of measuring the body temperature of the front of the forehead, but it cannot be used as a substitute for a doctor’s diagnosis and treatment. In addition, the individual’s body temperature is different. Please use the memory function to understand your daily temperature and use it as a reference for whether the temperature rises.

1) Point the thermometer at the center of the forehead above the center of the eyebrow and keep it vertically: the measuring part must not be covered by hair.

2) Press the key to start:

Note 1: The body temperature mode is the preset mode.

Note 2: The thermometer will be performed automatically after power on.

3) About 2 seconds, the thermometer screen displays “body temperature” and displays the measurement result.

4) Automatic shutdown: Automatic shut down after 15 seconds without operation.

Before measuring, please make sure that the subject has not bathed or exercised within 30 minutes, and has been kept in a stable environment for at least 5 minutes.

If the three measurements are different, choose the highest temperature value.

9. Taking a Object Surface Temperature Measurement

This product is a function for you to measure the surface temperature of an object:

1) When the instrument is in the measurement-on state, press the Mode key. The LCD displays the “Surface Temperature” character, indicating that it is set to the object measurement mode.

2) Automatic shutdown: Automatic shutdown after no operation for about 10 seconds. When the thermometer is taken out from a place with a large difference in the ambient temperature to be measured, the thermometer should be placed in a new environment for at least 30 minutes before measuring.

10. Viewing Data Memory

In the on or off state, press the + key to enter the memory view.

1) The larger the number, the earlier the measured value and the smaller the value, the closer the measured value.

2) If there is no memory value, “000” is displayed.

11. Problems & Troubleshooting

1) The forehead thermometer should be cleaned with alcohol.

2) Wipe the inner cavity of the sensor and probe clean, otherwise it will affect the measurement accuracy.

12. Display:

Display HI

Display LO

Display Button

Keep the inner cavity of the sensor and probe clean, otherwise it will affect the measurement accuracy.

Cleaning method:
1) Surface cleaning: Wipe the dirt with a clean soft cloth or cotton swab moistened with a little medical alcohol or water.

2) Clean the inner cavity of the sensor and probe: Wipe the inner cavity of the probe or the top of the sensor gently with a clean soft cloth or cotton swab with a little medical alcohol. Do not use until the alcohol has completely evaporated.

3) After use, please read this instruction manual carefully and make sure the battery is installed.

4) It is forbidden to immerse the thermometer in any liquid.
8) Do not touch the inside ins.
5) Do not use a strong electromagnetic interference environment.
6) Keep the thermometer out of the reach of children.
7) Do not open the battery door during the test to avoid environment.
The device can function normally in an electromagnetic environment in which other electronic devices emit noise or the like.
EMC (Electromagnetic Compatibility) refers to the ability to meet the following two requirements:
1. Capacitive electromagnetic interference noise will not be emitted to other nearby electronic equipment.
2. The device can function normally in an electromagnetic environment in which other electronic devices emit noise or the like.
EMC (Electromagnetic Compatibility) may interfere with the normal operation of the thermometer.
Warning: It is the responsibility of the user to ensure the normal operation of the thermometer.
Caution: Do not use this device near strong radiation sources, otherwise it may interfere with the normal operation of this instrument.

Table 2—Guidelines and manufacturer’s declaration—Electromagnetic radiation

<table>
<thead>
<tr>
<th>Condition</th>
<th>Compliance</th>
<th>EMC Environment-Mode</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emission</td>
<td>GA424</td>
<td>Class B</td>
<td>GB4828.1</td>
</tr>
<tr>
<td>RF interference</td>
<td>GA424</td>
<td>Class B</td>
<td>GB4828.1</td>
</tr>
<tr>
<td>Harmonic radiation</td>
<td>GB4828.51</td>
<td>Not applicable</td>
<td>GB4828.53</td>
</tr>
<tr>
<td>Voltage/Fluctuation</td>
<td>GB4828.52</td>
<td>Not applicable</td>
<td>GB4828.53</td>
</tr>
</tbody>
</table>

This product is suitable for use in all facilities.

Table 3—Guidelines and manufacturer’s declaration—Electromagnetic immunity

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This product is suitable for use in all facilities.

Warranty Card

1. If your contact information has changed, please notify us in time.
2. The replaced parts belong to our company.
3. Consulting Tel.
4. Dear customer, please fill in the (After-sales Service Card) truthfully and send it back in order to get more and better after-sale service.

Quality commitment and after-sales service

1. The period of use of this product is five years from the date of purchase. With a shopping invoice, you can enjoy a one-year free warranty and lifetime maintenance.
2. The battery and packaging are not covered by the warranty.
3. For the following damage caused by the user, please forgive us for not being able to provide free warranty service:
a) Failure caused by unauthorized disassembly and modification of the product;
b) Failure caused by accidental drop during use or handling;
c) Failure caused by failure to follow the correct instructions in the instructions;
d) Failure caused by lack of reasonable maintenance;
e) Repair services outside the warranty will be charged according to the corresponding regulations;
f) If requesting a free warranty service, please take this product to the company's distribution points for repair.