

Medical digital infrared thermometer

Termometru cu infraroșii fără contact

Безконтактний інфрачервоний термометр

Хурхж шаардлагын инфра улзан түнзүү дуулсан хэмжэйч

Безконтактный инфракрасный термометр

Термометр медицинский электронный инфракрасный



#### EN Instructions for Use

These are the instructions for the contact-free infrared thermometer WF-4000. The medical digital infrared thermometer WF-4000 is intended for contact-free measurements of the temperature of body, air and objects. Scope of use: infrared thermometers are intended for personal use. In addition, the said thermometers can be used in healthcare institutions and businesses of medical delivery at home.

The contact-free infrared thermometer is a device for measuring the temperature of infrared radiation, which is emitted by the surface of human body or object, by detecting its value of temperature.

Measurement without touching – unique property of contact-free thermometer!

The thermometer is characterized by the following advantages:

1. Infrared sensor – measurement of the temperature of a human body, ambient air and of the surface temperature of objects

2. Instantaneous readings. Thanks to infrared technology users are able to determine the precise temperature of a body instantly and accurately.

3. Memory recall of 32 saved readings.

The function of memory recall of 32 previously recorded measurement results.

4. Sound signal can be turned off.

5. Elevated temperature warning in the mode of measuring the temperature of a human body.

6. Switch function °C/F (Celsius/Fahrenheit scale)

7. Power/Measurement button off

For saving battery power, the device is automatically switched off if not used for more than 10 seconds.

8. Large LCD display. The device is equipped with a large LCD display, so the results are easy to read.

9. Contact-free measurement standards.

The contact-free medical thermometer provides for determining temperature based on the requirements of following the sanitary standards. Just bring the thermometer to the person's forehead at a distance and measure the temperature.

10. Compact and easy to use.

The ergonomic design ensures simple and easy use of the thermometer.

2. HIGH TEMPERATURE

High temperature is a symptom, not a disease. As a rule, this means that your organism is fighting an infection. In fact, it is a defense reaction of our body, which is characterized by an increase in body temperature above 37°C, heat.

The normal temperature of our body is about 37.5°C, when measured intracally, temperature in the mouth is lower about 36.5°C (37°C), and temperature in the axillary region is lower

To prevent errors it is important to measure temperature correctly in the most effective way, and it is advisable not to do it when the body temperature can be higher (when walking, after eating).

The temperature of a healthy person is influenced by the following factors:

• Metabolic individual characteristics

• Age (body temperature is higher in infants and young children, and it decreases with age; more significant temperature fluctuations occur faster and more often in children)

• Clothes

• Ambient temperature

• The time of day (in the morning body temperature is lower, and by the end of the day it becomes higher)

• The food we eat

• Mental state

• The phase of the menstrual cycle

• Skin secretions or sweat on the forehead (when temperature measurement on the forehead)

• Remember that the thermometer should be kept in the room where temperature will be measured for at least half an hour; otherwise a measurement result may be inaccurate!

**METHOD OF MEASUREMENT REFERENCE TEMPERATURE VALUES**

Axillary 35.2 - 36.7°C

Orally 35.7 - 37.3°C

Intracally 36.2 - 37.7°C

① All temperature values displayed in the mode of forehead temperature measurement with an infrared thermometer are approximately the same as when measured orally with an electronic thermometer.

**3. PRECAUTIONS**

When using this device follow all the specified instructions. If you do not follow the rules below you can harm your health or affect the accuracy of measurement.

1. Before use, patients and the thermometer should be in the environment with a constant room temperature for at least 30 minutes.

2. Take a measurement no earlier than 30 minutes after bathing, washing or outdoors.

3. Make sure that the forehead is clean and there are no traces of sweat, cosmetics, cream, etc. If necessary, clean the forehead with a soft cloth before measuring.

4. When measuring the forehead, the temperature should be measured every minute. If you need to measure yourself continuously, the temperature is a normal phenomenon that there are some slight errors when you read the temperature. We recommend that you measure yourself continuously maximum of three in a unit of time that figure out the average and choose it because the temperature of the human will conduct to the thermal balance of the human body.

5. Please collect the record of individual temperature under the good condition of body in usual days as a reference for checking fever or not.

6. Avoid direct contact with the measuring sensor.

7. The temperature of a healthy human body is constantly changing and depends on various factors.

8. Use the thermometer only for its intended purpose.

9. This thermometer is not intended as a substitute for consultation with your physician. It is dangerous for users to perform a self-evaluation and self-treatment based on the measuring result; please follow doctors instructions.

10. To protect the environment, dispose the batteries in accordance with national or local regulations.

**4. CONTRADICTIONS:** none found

**5. PRECAUTIONS:**

Keep the thermometer out of reach of children; please consult the doctor at once if the children accidental swallow of battery or other component.

The thermometer must be used under the supervision of adults.

Do not disassemble the device, except for the case of battery replacement.

Any modification of the thermometer is not allowed.

Do not use the thermometer in a high humidity environment (above 85%) or in direct sunlight, and to measure the temperature of the human body.

Do not measure the site of forehead temperature if patients have trauma on forehead.

Do not use a mobile or cordless phone near the thermometer when measuring.

Please don't measure body temperature in strong electromagnetic interference environment (such as microwave, high frequency equipment operation environment) to ensure the accuracy of measurement data.

Do not touch the thermometer when measuring.

Please store the thermometer according to the technical specification.

Use the thermometer only for its intended purpose.

This thermometer is not intended as a substitute for consultation with your physician. It is dangerous for users to perform a self-evaluation and self-treatment based on the measuring result; please follow doctors instructions.

② To protect the environment, dispose the batteries in accordance with national or local regulations.

**6. RECOMMENDATIONS**

1. Do not use this thermometer for other purposes.

2. Do not expose the thermometer to direct sunlight or to an environment exposed to high temperatures.

3. Do not use the thermometer for any unexpected operation or events.

4. Please report to MANUFACTURER if any unexpected operation or events occurs.

**7. CONTROLS AND INDICATORS OF THE THERMOMETER**

Control panel

Measurement sensor

Power/ Measurement button

Object Temperature Mode (Object temp)

Mode switch

Body Temperature Mode (Body temp)

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