Infrared Forehead Thermometer
User's Instructions

Please read the instructions carefully before using

This instrument is an electronic thermometer using an infrared sensor to measure human body temperature for people of all ages. Its operation is based on measuring the natural thermal radiation emanating from the forehead.

Specification
Reference to the standards of EN12470-5:2003 Clinical Thermometers - Part 5: Performance of infrared ear thermometers (with maximum device) and ASTM E 1965-98 : Standard specification for infrared thermometer for intermittent determination of patient temperature.

Measuring Range:

Body mode: 32.0 to 42.9°C (89.6 to 109.2°F)

Accuracy: ±0.3°C (32.0 to 42.9°C) / ±0.5°F (89.6 to 109.2°F)

Surface mode: 0 to 60.0°C (32.0 to 140.0°F)

Accuracy: ±1.0°C (0 to 60.0°C) / ±2.0°F (32.0 to 140.0°F)

Room mode: 0 to 40.0°C (32.0 to 104.0°F)

Accuracy: ±0.5°C (0 to 40.0°C) / ±0.9°F (32.0 to 104.0°F)

Measuring time: Less than 1 second

Operating ambient for body and surface modes:

Temperature: 10.0 to 40.0°C (50 to 104°F)

Humidity: ≤85% RH

Storage and transport conditions:

Temperature: -20 to 55°C (4 to 131°F)

Humidity: ≤85% RH

Maximum resolution temperature range: 0.1°C (0.1°F)

Display: Tricolour illuminated display: green - normal temperature (below +37.4°C), orange - low fever (37.4 to 37.9°C), red - high fever (>37.9°C)

Temperature unit: °C or °F

Memory display: Last 32 memories

Low voltage warning: LCD displays “Er”

Power consumption: ≤300mW

Battery: 2 x AAA, 1.5V alkaline batteries (average life over 4000 readings)

Dimension: 158 x 45 x 35mm

Net weight: 65g

Self-check test: Press the "Mode" (°C/°F/MEM/Lent) button to turn on the thermometer.

All symbols will display (see Fig.A).

Calibration frequency: If used for personal care only, no calibration is needed. For professional use, it is recommended to check calibration once a year.

Caution

1. Stabilise the thermometer for at least 30 minutes under operating conditions before use.
2. Do not expose the thermometer to electric shock.
3. Do not modify this device without the authorisation of the manufacturer.
4. Do not use near strong electromagnetic fields, keep away from mobile phones or radio systems.
6. Degree of protection against electric shock is Type BF applied part.
7. The disposal of the battery and device shall comply with the local environment requirements.
8. The battery this product complies with the Requirements stated in European Directives 2006/66/EEC.

Quality warranty

The thermometer is guaranteed for one year from date of manufacture under proper use according to the operating manual.

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How to use (body mode and °C displays for example)

1. Press ‘Mode’ button to turn on the thermometer. The LCD displays as Fig.A within 1 sec. When the LCD displays as Fig.B, the thermometer is ready to use.
2. Aim the thermometer head (probe) at the forehead, at a distance of 1-3cm, press the ‘Scan’ button and then release it. When the measurement is complete, the thermometer will show the measured temperature.
Note: Display shows as Fig.C when the temperature reading is lower than the measuring range.

Display shows as Fig.D when the temperature reading is higher than the measuring range.

Orange illuminated display indicates possible low fever.

Red illuminated display indicates possible high fever.

3. Setting the mode: Turn on the thermometer, after the self-check, press the ‘Mode’ button to change the measurement mode.

○ = body mode
□ = surface mode
□ = room mode

4. Unit switch: Press the ‘°C/°F’ button to switch between Celsius and Fahrenheit (as shown in Fig.E).

5. Memory search: Press the ‘MEM’ button to display the last measured temperature (Fig.F). This allows for a view of the last 32 measurements taken.

6. Language option: Press the ‘Lent’ button to turn on the talking feature (as Fig.G) or turn off (Fig.H).

7. Repeat measurement: If a second measurement is required, repeat step 1 and step 2.

Note: The time between each reading should be no less than 1 min.

8. ERR: LCD displays as Fig.I to indicate the ambient temperature is outside normal operating ambient and cannot display temperature reading.

Note: Before taking a measurement, the thermometer must be stabilised at the operating ambient for at least 30 minutes.

9. Auto shut off: The thermometer will automatically shut off after 1 minute of inactivity. To turn off manually - hold the ‘Mode’ button for 4 seconds.

Important: the area temperature differs from the internal body temperature. To obtain the internal temperature, always use the body mode. Please ensure the body mode is selected for an internal temperature reading and the surface temperature mode for an external area reading.

Cleaning and Storage
1. Store thermometer in a dry location, away from direct sunlight and free from dust and contamination.
2. The ambient storage temperature should remain within the range of -20 to 55°C.
3. Use an alcohol swab or cotton swab moistened with alcohol to clean the thermometer casing and the measuring probe. Ensure that no liquid enters the interior of the thermometer.
4. Never use abrasive cleaning agents, thinners or gasoline for cleaning and never immerse the instrument in water or other cleaning liquids. Take care not to scratch the surface of the probe membrane or display.

Replacing the battery
1. The thermometer is supplied with two 1.5V alkaline batteries (AAA).
2. Insert new batteries when the low voltage symbol “ Er” appears on the LCD as low batteries may give less accurate readings.
3. Remove the battery cover and take out the old batteries.
4. Insert two new batteries ensuring the correct polarity.
5. If the thermometer is not in use for over six months, please remove the batteries to avoid leakage.

Product disposal
1. Batteries should be disposed of in accordance with local regulations.
2. This device must be disposed of as Waste Electrical and Electronic Equipment as described in the WEEE regulations. Take these products to your local waste disposal point for treatment and recycling where they will be accepted free of charge. For more information on the closest collection point, please enquire with your local authority.
3. Dispose of the probe cover in accordance with local regulations.

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