AlphaMed URF102

AlphaMed URF102 Contactless Infrared Thermometer User Manual

Model: URF102

Introduction

Thank you for choosing the AlphaMed URF102 Contactless Infrared Thermometer. This manual provides essential information for the safe and effective operation of your device. Please read it thoroughly before use and keep it for future reference.
The URF102 is designed for non-contact temperature measurement of the human body (forehead) and objects/surfaces. It offers quick, accurate readings and includes features such as a fever alarm and memory function.

Important Safety Information

- Do not immerse the thermometer in water or other liquids.
- Keep the device away from direct sunlight, dust, and extreme temperatures.
- Do not drop the thermometer or subject it to strong impact.
- Do not attempt to disassemble or repair the device yourself.
- Keep out of reach of children.
- Consult a physician if you have concerns about your temperature readings.
- This device is intended for household use and is not a substitute for professional medical advice.

Product Overview

Components

The AlphaMed URF102 thermometer consists of a main body with an infrared sensor, an LCD display, and control buttons.


ALPHAMED
Infrared
Thermometer
Model:UFR102
Measuring Accuracy
± 0.2℃/± 0.4℉
Measuring Range
Forehead temperature mode:
32.0℃~43.0℃ (89.6℉~109.4℉)
Object temperature mode:
0℃~100℃ (32.0℉~199.9℉)
Measurement distance
Within 1 CM
Automatic Power-Off
1minute±5seconds
Storage Range
-20℃~50℃/-4℉~122℉
15%~95%RH
6 953825 903497
1s
1s Fast Reading
20 Sets of memory
℃/ ℉ Switchable
Quick switch between body and
Object modes

Figure 1: The AlphaMed URF102 Contactless Infrared Thermometer shown alongside its retail packaging. The thermometer is white with a black display panel, featuring a large digital temperature reading and a power button.

Display and Controls

The LCD display shows temperature readings, measurement units, mode indicators (body/object), and other relevant symbols. The primary control button is typically used for power and measurement initiation.



Figure 2: A close-up view of the AlphaMed URF102 thermometer's digital display, showing a temperature reading of 36.2 degrees Celsius and an icon indicating body temperature mode. The power button is visible below the display.

Setup

Battery Installation

1. Locate the battery compartment cover on the back or bottom of the thermometer.
2. Slide or open the cover.
3. Insert two (2) AA batteries, ensuring correct polarity (+ and -).
4. Close the battery compartment cover securely.

The thermometer requires 2 AA batteries for operation.

Operating Instructions

Taking a Measurement (Body Temperature)

1. Ensure the thermometer is in Body Measurement mode (indicated by a human head icon on the display). If not, refer to the "Switching Measurement Modes" section.
2. Point the thermometer at the center of the forehead, approximately 1-2 cm away.
3. Press the measurement button (often the same as the power button).
4. The temperature reading will appear on the display within 1 second.



Figure 3: The AlphaMed URF102 thermometer being used to measure the temperature of a baby's forehead. The device is held close to the forehead without making contact, displaying a reading of 36.2 degrees Celsius.

Switching Measurement Modes (Body/Object)

The URF102 thermometer supports both body and object temperature measurement. Refer to the device's specific buttons (often a dedicated mode button or a long press of the measurement button) to switch between these modes. The display will show a human head icon for body mode and a house/object icon for object mode.



Figure 4: An illustration demonstrating the AlphaMed URF102 thermometer's capability to measure both body and object temperatures. The main image shows the thermometer with a body temperature reading (36.3°C), while smaller inset images show the display in body mode and object mode (32.3°C).

Switching Temperature Units (°C/°F)

The thermometer can display temperatures in Celsius (°C) or Fahrenheit (°F). Typically, this setting can be changed via a dedicated button or by accessing a settings menu (e.g., by holding down a button while the device is off, then pressing it again to cycle through options).

Fever Alarm Function

The URF102 features an alarm function that activates when a temperature reading exceeds 37.5 °C (or 99.5 °F). This is often accompanied by a visual indicator (e.g., a change in backlight color) and an audible beep.

Normal Temperature: Between 36.5°C and 37.5°C

Elevated Temperature: Between 37.6°C and 38.5°C

Fever: Above 38.5°C (High Fever above 39.5°C)



Figure 5: An infographic illustrating the fever alarm function of the AlphaMed URF102 thermometer. It shows different temperature ranges with corresponding color indicators (green for normal, yellow for elevated, red for fever) and an icon for the audible alarm.

Memory Function

The thermometer can store up to 20 sets of previous temperature readings. To access the memory, typically press a dedicated memory button or cycle through readings using the measurement button when the device is off or in a specific mode. Refer to your device for exact instructions.

Automatic Shut-off

To conserve battery life, the thermometer will automatically shut off after approximately 60 seconds of inactivity.

Maintenance

Cleaning

- Clean the thermometer casing with a soft, dry cloth.
- For the infrared sensor lens, gently wipe with a cotton swab lightly moistened with alcohol. Ensure no liquid enters the device.
- Do not use abrasive cleaners or immerse the device in water.

Storage

- Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

Troubleshooting

Problem	Possible Cause	Solution
No display/Device won't turn on	Low or dead batteries; Incorrect battery installation	Replace batteries; Ensure batteries are inserted with correct polarity.
Inaccurate readings	Sensor lens dirty; Measurement distance too far/close; Environmental factors (drafts, direct sunlight)	Clean sensor lens; Ensure correct measurement distance (1-2 cm); Measure in a stable environment.
"Lo" or "Hi" displayed	Temperature is outside the measurable range	Ensure measurement is within the specified operating range for body or object mode.

Specifications

Feature	Detail
Model Name	URF102
Brand	AlphaMed
Measurement Type	Contactless Infrared
Display Type	LCD
Power Source	Battery (2 x AA batteries required)
Product Dimensions	53 x 63 x 176 cm; 120 g
Special Features	Portable, Fever Alarm, Memory Function (20 sets), Automatic Shut-off (60 seconds)
Measurement Distance	Within 1-2 cm
Accuracy	±0.2°C (±0.4°F)
Body Temperature Range	32.0°C - 43.0°C (89.6°F - 109.4°F)
Object Temperature Range	0°C - 100°C (32.0°F - 212.0°F)
Material	Plastic
Compliance	Standard 93/42/EEC for medical products, EEG
Manufacturer	Shenzhen Urion Technology Co,Ltd.

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question