

## Medisana 99962

# Medisana TM A77 Non-Contact Infrared Thermometer User Manual

Model: 99962

## 1. INTRODUCTION

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Thank you for choosing the Medisana TM A77 Non-Contact Infrared Thermometer. This device is designed for accurate and reliable temperature measurement of the human body (forehead), as well as surfaces, liquids, and ambient room temperature. Its non-contact design ensures hygienic use, making it suitable for adults, children, and babies.

Please read this manual thoroughly before using the device to ensure correct operation and to understand all safety precautions.

## 2. SAFETY INFORMATION

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- This thermometer is intended for household use only. It is not a substitute for a medical examination by a doctor.
- Do not use the device if it is damaged.
- Keep the device away from direct sunlight, high temperatures, and humidity.
- Do not immerse the device in water or other liquids.
- Keep out of reach of children. Small parts may be swallowed.
- Do not attempt to disassemble or repair the device yourself. Contact customer support if issues arise.
- Ensure the measurement area (forehead) is clean and free of hair or sweat for accurate readings.
- Allow the thermometer to acclimatize to room temperature for at least 30 minutes before use if it has been stored in a significantly different temperature environment.

## 3. PRODUCT OVERVIEW

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Familiarize yourself with the components of your Medisana TM A77 thermometer.



**Image 1:** Side view of the Medisana TM A77 Non-Contact Infrared Thermometer. This image displays the device's ergonomic handle, the large LCD screen, and the control buttons labeled 'SET', 'MEMO', and 'MODE'. The trigger for measurement is visible on the underside of the handle.

1. **Measurement Sensor:** Located at the front of the device.
2. **LCD Display:** Shows temperature readings, mode, and other indicators.
3. **SET Button:** For adjusting settings.
4. **MEMO Button:** To access stored memory readings.
5. **MODE Button:** To switch between body, surface, and room temperature modes.
6. **Measurement Trigger:** Located on the handle for initiating a reading.
7. **Battery Compartment:** Located at the bottom of the handle.

## 4. SETUP

### 4.1 Battery Installation

The Medisana TM A77 thermometer requires two 1.5V AAA batteries. Ensure correct polarity when inserting.

1. Locate the battery compartment cover at the bottom of the handle.

2. Slide the cover open.
3. Insert two AAA batteries, matching the (+) and (-) symbols inside the compartment.
4. Close the battery compartment cover securely.



**Image 2:** Rear view of the Medisana TM A77 Non-Contact Infrared Thermometer. This image shows the back of the handle, where the battery compartment is located at the very bottom. Technical specifications and certifications are also visible on the side of the device.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

- To power on, press the Measurement Trigger. The device will perform a self-test and display the last reading.
- The device automatically shuts off after approximately 18 seconds of inactivity to conserve battery life.

### 5.2 Selecting Measurement Mode

Press the **MODE** button to cycle through the available measurement modes:

- **Body Mode:** For measuring human body temperature (indicated by a body icon on the display).

- **Surface Mode:** For measuring the temperature of objects or liquids.
- **Room Mode:** For measuring ambient room temperature.

### 5.3 Taking a Measurement

1. Ensure the correct measurement mode is selected (e.g., Body Mode for forehead temperature).
2. Point the thermometer's sensor at the center of the forehead from a distance of approximately 3-5 cm (1.2-2 inches). For surface/liquid/room temperature, point at the desired object/area.
3. Press and release the Measurement Trigger.
4. The temperature reading will be displayed on the LCD screen within one second.



**Image 3:** A woman is shown using the Medisana TM A77 Non-Contact Infrared Thermometer to measure the forehead temperature of a child. The thermometer is held a short distance from the child's forehead, demonstrating the non-contact measurement method.

### 5.4 Visual Fever Alarm

In Body Mode, if an elevated temperature is detected, the display color will change to visually alert the user to a potential fever.

### 5.5 Memory Function

The thermometer automatically stores the last 50 temperature readings. To access these readings:

1. With the device powered on, press the **MEMO** button.
2. Each subsequent press of the **MEMO** button will display the previous reading in chronological order.

## 5.6 Switching Temperature Units (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

1. With the device powered on, press and hold the **SET** button for a few seconds until the unit symbol starts flashing.
2. Press the **SET** button again to toggle between °C and °F.
3. Release the **SET** button to confirm your selection.

## 6. MAINTENANCE AND CARE

### 6.1 Cleaning the Thermometer

- Wipe the device body with a soft, slightly damp cloth. Do not use abrasive cleaners or immerse in water.
- The sensor lens is the most delicate part. Clean it gently with a cotton swab lightly moistened with alcohol. Allow to dry completely before use.

### 6.2 Storage

- Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures.
- If not in use for an extended period, remove the batteries to prevent leakage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/Device won't turn on	Batteries are dead or incorrectly inserted.	Replace batteries or check polarity.
Inaccurate readings	<ul style="list-style-type: none"> <li>• Sensor lens is dirty.</li> <li>• Measurement distance is incorrect.</li> <li>• Device not acclimatized to room temperature.</li> <li>• Sweat or hair on forehead.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the sensor lens.</li> <li>• Maintain 3-5 cm distance.</li> <li>• Allow 30 minutes for acclimatization.</li> <li>• Ensure forehead is clean and dry.</li> </ul>
"Lo" or "Hi" displayed	Temperature is outside the measurable range.	Ensure you are measuring within the specified temperature range for the selected mode.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	99962

<b>Feature</b>	<b>Detail</b>
Measurement Method	Non-Contact Infrared
Measurement Modes	Body, Surface, Room
Body Temperature Range	35.0°C – 42.0°C (95.0°F – 107.6°F)
Surface Temperature Range	0°C – 100°C (32°F – 212°F)
Accuracy (Body)	±0.2°C (±0.4°F)
Display	Large LCD with backlight and visual fever alarm
Memory	Stores 50 readings
Automatic Shut-off	Approx. 18 seconds
Power Source	DC 3V (2 x 1.5V AAA batteries)
Dimensions (L x W x H)	5.4 x 9.7 x 15.7 cm
Weight	0.14 kg (excluding batteries)
Material	Plastic



**Image 4:** Front view of the Medisana TM A77 Non-Contact Infrared Thermometer. The large LCD screen clearly displays a temperature reading of 36.8 degrees Celsius in 'Body' mode, along with icons for sound and battery status. The Medisana brand and model 'TM A77' are visible above the screen.

## 9. WARRANTY AND SUPPORT

Medisana products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Medisana website. For technical support or service inquiries, please contact Medisana customer service through their official channels.

**Manufacturer:** Medisana GmbH

**Website:** [www.medisana.com](http://www.medisana.com)