

## ELG IR1DA1

# ELG Microlife Dual Mode Infrared Thermometer IR1DA1 User Manual

Model: IR1DA1 | Manufacturer: Microlife | Brand: ELG

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your ELG Microlife Dual Mode Infrared Thermometer IR1DA1. This device is designed for accurate temperature measurement of the human body (forehead and ear), as well as ambient and liquid temperatures. Please read this manual thoroughly before first use and keep it for future reference.

## 2. SAFETY INFORMATION

- Always use the thermometer according to the instructions provided in this manual.
- Do not immerse the thermometer in water or other liquids.
- Keep the device out of reach of children.
- Avoid dropping the thermometer or subjecting it to strong shocks.
- Do not expose the thermometer to direct sunlight or extreme temperatures.
- Consult a physician if you have concerns about your temperature readings.

## 3. PRODUCT OVERVIEW

The ELG Microlife Dual Mode Infrared Thermometer IR1DA1 is a versatile device featuring advanced infrared technology for quick and precise temperature readings. Key features include:

- **Dual Measurement Modes:** Capable of measuring temperature via forehead and ear.
- **Fast Readings:** Forehead temperature in 3 seconds, ear temperature in 1 second.
- **Multi-purpose:** Also measures ambient and liquid temperatures in 3 seconds.
- **Memory Function:** Stores up to 12 previous measurements.
- **Fever Indicator:** Visual (green/red backlight) and audible alerts for elevated temperatures.

- **Self-Test Function:** Ensures accuracy before each use.



Figure 1: The ELG Microlife Dual Mode Infrared Thermometer IR1DA1, showing its digital display, start button, and mode selection button.

## 4. SETUP

### 4.1 Battery Installation

The thermometer comes with a battery included. To install or replace the battery:

1. Locate the battery compartment cover, usually on the back or bottom of the device.

2. Open the cover by sliding or gently prying it off.
3. Insert the battery, ensuring correct polarity (+ and -).
4. Close the battery compartment cover securely.

The device will perform an automatic self-test upon initial power-on or battery replacement.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Powering On/Off

Press the "START" button to turn on the thermometer. The device will perform a brief self-test. It will automatically turn off after a period of inactivity to conserve battery life.

### 5.2 Measuring Forehead Temperature

1. Ensure the thermometer is in forehead mode (refer to the display for the current mode indicator).
2. Gently place the thermometer probe on the center of the forehead.
3. Press the "START" button.
4. Hold the thermometer steady for approximately 3 seconds until a beep sounds, indicating the measurement is complete.
5. Read the temperature displayed on the screen.

### 5.3 Measuring Ear Temperature

1. Remove the protective cap from the probe to expose the ear sensor.
2. Gently insert the probe into the ear canal. Ensure a snug fit for accurate reading.
3. Press the "START" button.
4. Hold the thermometer steady for approximately 1 second until a beep sounds.
5. Read the temperature displayed on the screen.

### 5.4 Measuring Ambient and Liquid Temperatures

This thermometer can also measure the temperature of rooms and liquids, such as baby formula or bathwater. This feature is particularly useful for monitoring conditions for infants.

1. Ensure the thermometer is in the appropriate mode for ambient/liquid measurement.
2. For ambient temperature, hold the thermometer in the air in the desired location.
3. For liquid temperature, carefully position the probe close to the liquid surface without immersing it.
4. Press the "START" button.
5. Hold steady for approximately 3 seconds until a beep sounds.
6. Read the temperature displayed on the screen.

## 6. MEMORY FUNCTION

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The thermometer automatically stores the last 12 temperature measurements. To recall previous readings:

1. With the thermometer powered on, press the "O/I" button (or designated memory button) briefly.
2. Each subsequent press will display the previous measurement in chronological order.

## 7. FEVER INDICATOR

The ELG Microlife Dual Mode Infrared Thermometer IR1DA1 includes a visual and audible fever indicator:

- If the measured temperature is below 37.5 °C (99.4 °F), the display backlight will illuminate **green** for 5 seconds.
- If the measured temperature is 37.5 °C (99.4 °F) or higher, the display backlight will illuminate **red** for 5 seconds.
- Additionally, if the temperature is 37.5 °C (99.4 °F) or higher, ten short beeps will sound, and the LCD display will flash to alert you to a potential fever.

## 8. MAINTENANCE AND CLEANING

Proper maintenance ensures the longevity and accuracy of your thermometer.

- **Cleaning the Probe:** After each use, especially for ear measurements, gently wipe the probe with an alcohol swab or a soft cloth dampened with alcohol.
- **Cleaning the Device Body:** Use a soft, dry cloth to clean the main body of the thermometer. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the thermometer in its protective case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace the battery when the low battery indicator appears on the display. Dispose of used batteries according to local regulations.

## 9. TROUBLESHOOTING

If you encounter issues with your thermometer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display when powered on.	Battery is dead or incorrectly installed.	Check battery polarity or replace with a new battery.
Inaccurate readings.	Improper placement of the probe, dirty sensor, or environmental factors.	Ensure correct probe placement (forehead/ear). Clean the sensor. Allow the thermometer to acclimatize to room temperature before use.
"Err" message on display.	Measurement error, possibly due to movement or extreme temperature outside operating range.	Repeat the measurement, ensuring the thermometer is held steady and within the specified operating temperature range.
Fever indicator (red light/beeps) activates unexpectedly.	Temperature is indeed 37.5 °C (99.4 °F) or higher, or a false reading.	Verify the reading by taking another measurement. If concerns persist, consult a healthcare professional.

## 10. SPECIFICATIONS

- **Model Number:** 4719003400613 (IR1DA1)

- **Brand:** ELG
- **Manufacturer:** MICROLIFE
- **Measurement Modes:** Forehead, Ear, Ambient, Liquid
- **Measurement Time:** 3 seconds (forehead, ambient, liquid), 1 second (ear)
- **Memory:** 12 measurements
- **Fever Indication:** Green/Red backlight, 10 short beeps for  $\geq 37.5$  °C (99.4 °F)
- **Display Type:** Digital LCD
- **Material:** Plastic
- **Product Dimensions:** 17 x 9 x 5 cm
- **Product Weight:** 200 g
- **Age Range Description:** Adult (suitable for all ages, including infants, for monitoring purposes)

## 11. WARRANTY AND SUPPORT

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This ELG Microlife Dual Mode Infrared Thermometer IR1DA1 comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support or warranty inquiries, please refer to the contact information provided on the product packaging or the official ELG/Microlife website.