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maguja RN-50A

maguja Infrared Thermometer User Manual

Model: RN-50A

INTRODUCTION

Thank you for choosing the maguja Infrared Thermometer. This device is designed for fast, accurate, and non-contact temperature measurement of the human body (forehead) and various surfaces/objects. It is suitable for use by adults, children, and infants, providing a hygienic and convenient way to monitor temperatures.

Please read this manual thoroughly before using the thermometer to ensure safe and proper operation. Keep this manual for future reference.

IMPORTANT SAFETY INFORMATION

- This thermometer is intended for household use only. It is not a substitute for professional medical advice or diagnosis. Always consult a healthcare professional for any health concerns.
- Do not immerse the thermometer in water or other liquids.
- Keep the device away from direct sunlight, dust, extreme temperatures, and mechanical shock.
- Do not attempt to disassemble or repair the thermometer yourself. Contact customer support if service is required.
- Keep out of reach of children and pets. Small parts may pose a choking hazard.
- Ensure the measurement probe is clean before each use to maintain accuracy.
- Do not use the thermometer near strong electromagnetic fields, such as mobile phones or microwave ovens.
- Dispose of batteries and the device according to local regulations.

PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

- maguja Infrared Thermometer (Model: RN-50A)
- User Manual
- *Note: 2 AAA batteries are required and are not included in the package.*



Image: The maguja Infrared Thermometer shown alongside its retail packaging, highlighting the product's design and branding.

PRODUCT OVERVIEW

Familiarize yourself with the components of your maguja Infrared Thermometer:

FEATURES AND FUNCTIONALITY



Image: A detailed diagram of the thermometer, pointing out key features such as the IR Sensor, LCD Display, Toggle Switch, Mode Button, '+' and '-' buttons, Handle, Trigger, and Battery Cover.

- **IR Sensor:** Detects infrared energy emitted by the object or body.
- **LCD Display:** Shows temperature readings, mode, and other indicators.
- **Toggle Switch:** (Not explicitly labeled in image, but implied by "Obj/Body" buttons) For switching between Body and Object modes.
- **"+" Button:** Used for navigating memory or adjusting settings.
- **"-" Button:** Used for navigating memory or adjusting settings.
- **Mode Button:** Used to access settings and switch between Celsius/Fahrenheit.
- **Handle:** Ergonomic grip for comfortable use.
- **Trigger:** Press to initiate a temperature measurement.
- **Battery Cover:** Access compartment for battery installation.

Features



Body & Surface



One second measurement



Automatic shutdown



Low battery indicator



32 memory



Backlit Display



°C/°F Display



Fever alarm



Image: An infographic highlighting key features such as Body & Surface measurement, one-second measurement, automatic shutdown, low battery indicator, 32-memory storage, backlit display, Celsius/Fahrenheit display, and fever alarm.

SETUP

Battery Installation

1. Locate the battery cover at the bottom of the thermometer handle.
2. Slide the battery cover open.
3. Insert two (2) AAA batteries, ensuring the correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery cover securely until it clicks into place.

The thermometer will emit a short beep and the LCD display will briefly show all segments before entering standby mode, indicating successful battery installation.

OPERATING INSTRUCTIONS

Taking a Measurement (Body Mode)

1. Ensure the thermometer is in "Body" mode. If not, press the "Mode" button to switch.
2. Hold the thermometer approximately 3-5 cm (1.2-1.9 inches) from the center of the forehead.
3. Press the measurement trigger. The reading will appear on the LCD screen within 1 second.
4. A short beep indicates the measurement is complete.

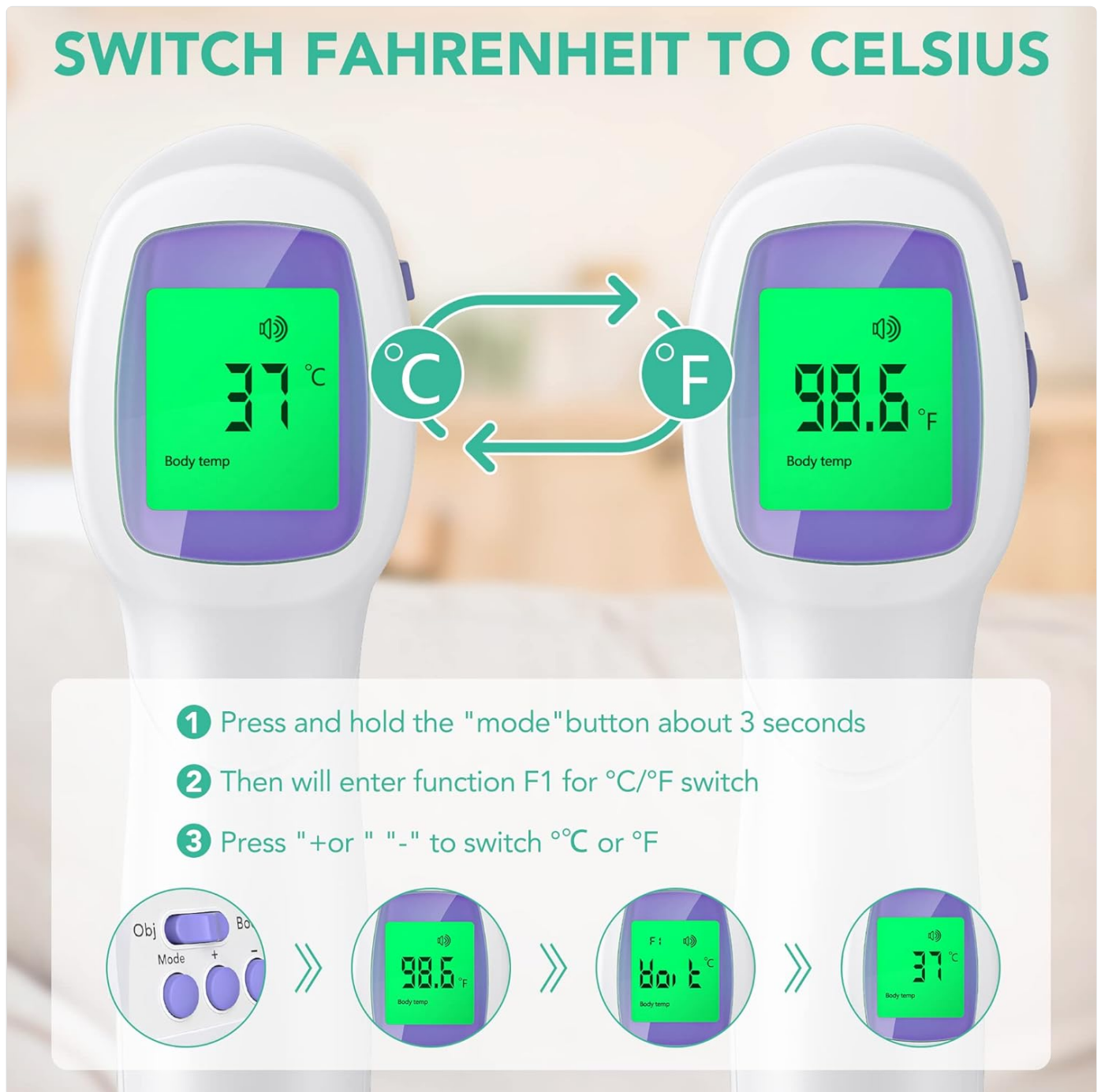


Image: A visual representation of taking a forehead temperature measurement on a child, demonstrating the recommended distance of 0.4-1.9 inches for accurate readings.

Taking a Measurement (Surface Mode)

This mode is suitable for measuring the temperature of objects, liquids, or room temperature.

1. Press the "Mode" button to switch to "Obj" (Object) mode.
2. Point the thermometer at the desired object or surface.
3. Press the measurement trigger. The reading will appear on the LCD screen within 1 second.

2 in 1 mode



Image: Demonstrates the two modes: "Body Mode" for human temperature measurement and "Surface Mode" for measuring the temperature of objects like bath water or room environment.

Fever Alarm and LCD Backlight Indication

The thermometer features a smart fever alarm system and a color-coded LCD backlight for quick interpretation of readings:

- **Green Backlight:** Normal temperature (32.0°C ~ 37.3°C / 86.0°F ~ 99.1°F).
- **Yellow Backlight:** Slight fever (37.4°C ~ 38.0°C / 99.3°F ~ 100.4°F).
- **Red Backlight:** Fever (38.1°C ~ 39.2°C / 100.6°F ~ 109.2°F). Accompanied by a warning sound.

THREE COLOR INDICATION



32.8°C ~ 37.3°C

86.0°F ~ 99.1°F

Green: Normal

37.4°C ~ 38°C

99.3°F ~ 100.4°F

Yellow: Slight Fever

38.1°C ~ 39.2°C

100.6°F ~ 109.2°F

Red: Fever

Image: Illustrates the three color indications of the LCD display: Green for normal temperature, Yellow for slight fever, and Red for fever, along with their corresponding temperature ranges in Celsius and Fahrenheit.

Switching Between Celsius (°C) and Fahrenheit (°F)

1. With the thermometer powered on, press and hold the "Mode" button for approximately 3 seconds.
2. The display will enter function F1 for °C/°F switch.
3. Press the "+" or "-" button to toggle between Celsius (°C) and Fahrenheit (°F).
4. Press the "Mode" button again briefly to confirm your selection and exit the setting.

SWITCH FAHRENHEIT TO CELSIUS

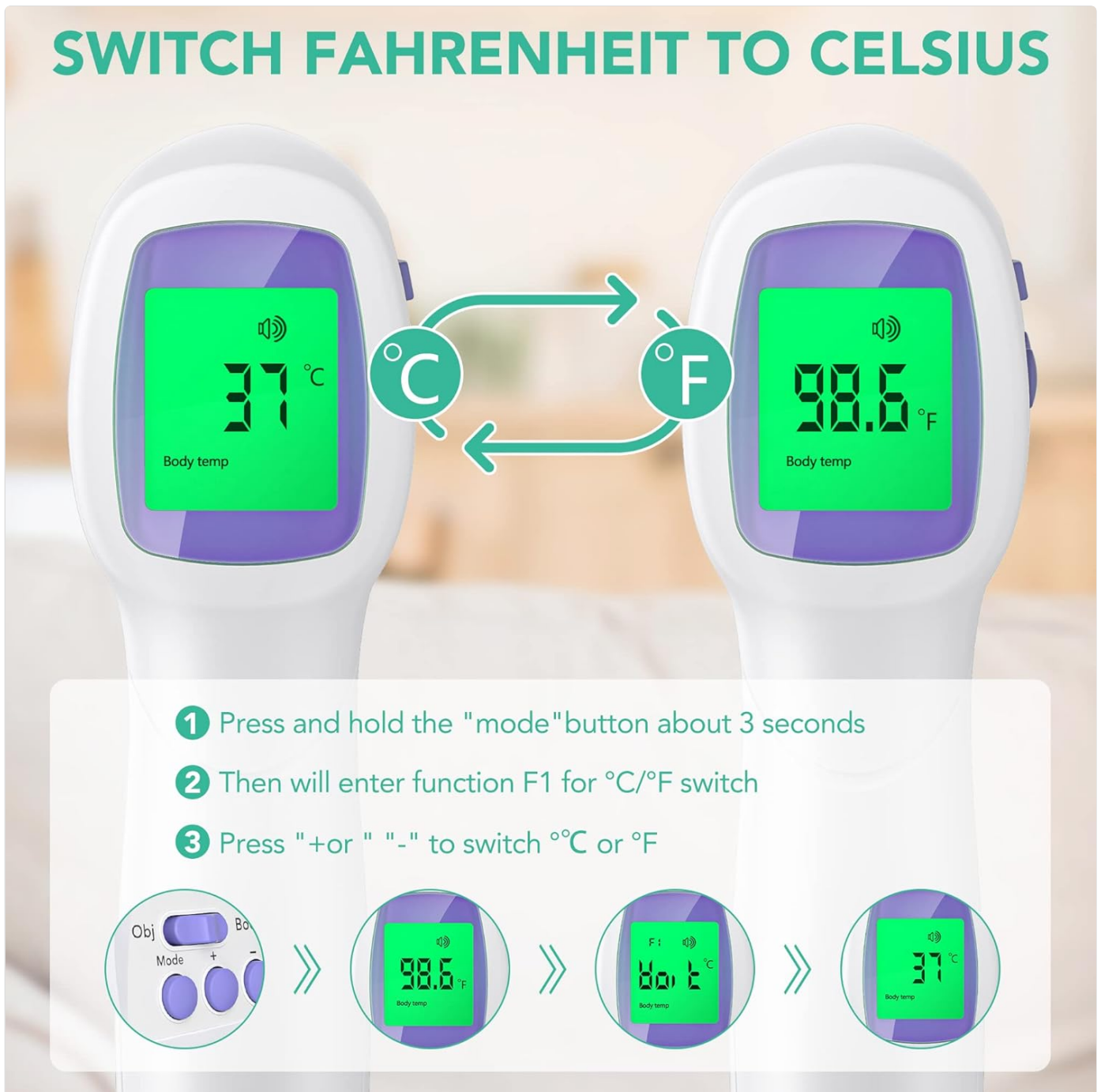


Image: A step-by-step guide demonstrating how to switch the temperature unit between Celsius and Fahrenheit using the mode and +/- buttons.

Memory Function

The thermometer can store up to 40 sets of measurement data, allowing you to track temperature changes over time. To access memory:

- In standby mode, briefly press the "+" or "-" button to cycle through the stored readings.
- The readings are displayed from the most recent to the oldest.

MAINTENANCE AND CARE

- **Cleaning:** Wipe the thermometer body with a soft, dry cloth. For the probe, gently wipe with an alcohol swab or a cotton swab moistened with alcohol. 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. Ensure the battery cover is securely closed.

- **Battery Replacement:** When the low battery indicator appears on the display, replace both AAA batteries promptly to ensure accurate readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/Device won't turn on	Batteries are dead or incorrectly installed.	Check battery polarity or replace with new AAA batteries.
Inaccurate readings	Probe is dirty. Measurement distance is incorrect. Ambient temperature fluctuations.	Clean the IR sensor. Ensure 3-5 cm distance from forehead. Allow thermometer to acclimate to room temperature for 15-20 minutes before use.
"Lo" or "Hi" displayed	Temperature is outside the measurable range.	Ensure you are measuring within the specified temperature range for Body or Object mode.
Warning sound/Red backlight	Indicates a fever (temperature \geq 38.1°C / 100.6°F).	Consult a healthcare professional if fever persists or is high.

SPECIFICATIONS

Feature	Detail
Model Number	RN-50A
Measurement Method	Non-contact Infrared
Measurement Distance	3-5 cm (1.2-1.9 inches)
Measurement Time	1 second
Accuracy	$\pm 0.1^{\circ}\text{C}$ ($\pm 0.2^{\circ}\text{F}$)
Memory Function	Up to 40 sets of readings
Display	LCD with 3-color backlight
Fever Alarm	Audible and visual (red backlight)
Power Source	2 x AAA batteries (not included)
Automatic Shutdown	Yes
Dimensions	9.8 x 6.69 x 2.17 inches
Weight	5.93 ounces
Material	Plastic
Color	Purple
Compliance	FDA

WARRANTY AND SUPPORT

maguja is committed to providing high-quality products. For any questions, concerns, or technical support regarding your Infrared Thermometer, please contact our customer service team.

Please refer to the product packaging or the official maguja website for the most up-to-date warranty information and contact details.

Manufacturer: maguja

Date First Available: January 4, 2021