

Equinox EQ-IF-02

Equinox Non-Contact Infrared Thermometer EQ-IF-02 User Manual

Model: EQ-IF-02

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Equinox Non-Contact Infrared Thermometer, model EQ-IF-02. Please read this manual thoroughly before using the device and keep it for future reference.

SETUP

Unpacking and Inspection

Carefully remove the thermometer from its packaging. Inspect the device for any signs of damage. The package should contain:

- Equinox Non-Contact Infrared Thermometer
- 2 AAA Batteries
- User Manual (this document)
- Warranty Card

Battery Installation

1. Locate the battery compartment cover on the back of the thermometer.
2. Slide the cover open in the direction indicated by the arrow.
3. Insert the two AAA batteries, ensuring the correct polarity (+ and -) as marked inside the compartment.
4. Close the battery compartment cover until it clicks securely into place.

The thermometer is now ready for initial use.

Powering On and Off

- To power on: Press the **ON/SCAN** button. The device will perform a self-test and display the last measurement.
- To power off: The device will automatically shut down after approximately 30 seconds of inactivity to conserve battery life.

Selecting Measurement Mode

The thermometer offers multiple measurement modes: Body, Room, and Surface. Press the **MODE** button to cycle through these options. Ensure the correct mode is selected for accurate readings.

Temperature Unit Selection (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), press the **°C/°F** button. The selected unit will be displayed on the LCD screen.

Taking a Measurement

1. Ensure the thermometer is in the desired measurement mode (e.g., Body mode for human temperature).
2. Position the thermometer approximately 3-5 cm (1.2-2 inches) from the center of the forehead for body temperature, or the surface/object for other measurements.
3. Press and release the **ON/SCAN** button.
4. The temperature reading will be displayed on the LCD screen within 1 second.
5. The device will emit a beep sound upon completion of the measurement.



Image: Proper positioning of the thermometer for forehead temperature measurement. Maintain a distance of 3-5 cm from the forehead.

Fever Alarm and Backlight Indication

The EQ-IF-02 features a color-coded backlight system to indicate temperature status:

- **Green Backlight:** Normal temperature (e.g., $<99.0^{\circ}\text{F}$ or $<37.3^{\circ}\text{C}$).
- **Yellow Backlight:** Elevated temperature (e.g., $<100.2^{\circ}\text{F}$ or $<37.9^{\circ}\text{C}$).
- **Red Backlight:** High temperature/Fever (e.g., $<100.4^{\circ}\text{F}$ or $<38^{\circ}\text{C}$). An audible alarm may also sound.



GREEN
Color Backlight if
Temperature
<99.0° F or <37.3 C



YELLOW
Color Backlight if
Temperature
<100.2 F or <37.9 C



RED
Color Backlight if
Temperature
<100.4 F or <38 C



Image: Visual representation of the color backlight system indicating temperature ranges.

Memory Function

The thermometer automatically saves the last 32 measurement results. To recall past readings, refer to the detailed instructions in the full user manual provided with the product.

MAINTENANCE

Cleaning the Thermometer

To ensure accurate readings and hygiene, regularly clean the thermometer. Use a soft cloth lightly dampened with alcohol (70% isopropyl) to wipe the device, especially the sensor lens. Do not immerse the thermometer in water or use abrasive cleaners.

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.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Batteries are incorrectly installed or depleted.	Check battery polarity. Replace with new AAA batteries.
Inconsistent or inaccurate readings.	<ul style="list-style-type: none"> • Incorrect measurement distance. • Sensor lens is dirty. • Ambient temperature fluctuations. • Measuring different body areas. 	<ul style="list-style-type: none"> • Ensure thermometer is 3-5 cm from the measurement site. • Clean the sensor lens with a soft, alcohol-dampened cloth. • Allow the thermometer to acclimatize to room temperature for 15-20 minutes before use. • For body temperature, consistently measure the forehead temple region. Skin surface temperature can vary from core body temperature.
Display shows "Lo" or "Hi".	Temperature is outside the measurable range.	Ensure the thermometer is used within its specified operating temperature range.

SPECIFICATIONS

- **Model:** EQ-IF-02
- **Type:** Non-Contact Infrared Thermometer
- **Display Type:** LCD
- **Connectivity Technology:** Infrared
- **Power Source:** Battery Powered (2 AAA batteries, included)
- **Response Time:** 1000 Milliseconds (1 second)
- **Resolution:** 0.1
- **Measurement Modes:** Body, Room, Surface
- **Temperature Units:** Celsius (°C) / Fahrenheit (°F)
- **Memory:** Auto Save 32 Last Results
- **Special Features:** High Accuracy, Fever Alarm, Color Backlight Indication
- **Product Dimensions:** 17 x 4.8 x 4 Centimeters (approx.)
- **Item Weight:** 90.7 g (approx.)
- **Outer Material:** Plastic
- **Product Care:** Wipe Clean
- **Indoor/Outdoor Usage:** Indoor

WARRANTY INFORMATION

The Equinox Non-Contact Infrared Thermometer EQ-IF-02 comes with an **18 Months Warranty** from the date of purchase. Please refer to the warranty card included in your package for detailed terms and conditions, including coverage and claim procedures. Keep your purchase receipt as proof of purchase.

SUPPORT

For further assistance, technical support, or inquiries regarding your Equinox Non-Contact Infrared Thermometer, please refer to the comprehensive user manual provided in the product packaging or visit the official Equinox website for contact information.