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POLYGREEN KI-8170

POLYGREEN KI-8170 Infrared Thermometer User Manual

Model: KI-8170

1. Introduction

Thank you for purchasing the POLYGREEN KI-8170 Infrared Thermometer. This device is designed for accurate and rapid temperature measurement, primarily for the ear. It features a large display, 1-second reading capability, a fever alarm, memory function, and switchable Celsius/Fahrenheit units. Please read this manual thoroughly before use to ensure safe and correct operation.

This thermometer is intended for household use and is suitable for all ages, including adults and children. It is not intended to replace a consultation with a medical professional.

2. Important Safety Information

- Always keep the thermometer out of reach of children.
- Do not drop or expose the thermometer to severe shocks.
- Do not immerse the thermometer in water or other liquids for extended periods, despite its waterproof design.
- Avoid direct sunlight and high temperatures.
- Do not attempt to disassemble or repair the thermometer yourself. Contact qualified service personnel.
- Ensure the ear canal is clean and free of obstructions before taking a measurement.
- Consult a physician if you have concerns about your temperature readings.

3. Product Components

Familiarize yourself with the main parts of your POLYGREEN KI-8170 Infrared Thermometer.



Figure 1: Front view of the POLYGREEN KI-8170 Infrared Thermometer, highlighting the large digital display.



Figure 2: The product packaging for the POLYGREEN KI-8170 Infrared Thermometer.

4. Setup and First Use

4.1 Battery Installation

The POLYGREEN KI-8170 thermometer operates on batteries. Before first use, or when the low battery indicator appears, install or replace the batteries.

1. Locate the battery compartment cover, usually on the back or bottom of the device.
2. Slide or unclip the cover to open the compartment.
3. Insert the required batteries (e.g., 2x AAA, check device for specific type) ensuring correct polarity (+ and -).
4. Close the battery compartment cover securely.

4.2 Unit Selection (°C/°F)

You can switch between Celsius (°C) and Fahrenheit (°F) temperature units.

1. With the thermometer turned off, press and hold the power button for approximately 3-5 seconds.
2. The display will show the current unit (°C or °F). Release the button.
3. Press the power button again briefly to toggle between °C and °F.
4. Once your desired unit is displayed, wait for a few seconds, and the thermometer will automatically save the setting and turn off.

5. Operating Instructions

5.1 Taking an Ear Temperature Measurement

The POLYGREEN KI-8170 is designed for accurate ear temperature measurement.

1. Ensure the ear canal is clean and free of earwax.
2. Press the power button to turn on the thermometer. The display will show all segments briefly, then the last measurement, and finally "Lo" or "---" indicating it's ready.
3. Gently insert the probe tip into the ear canal. For children under 1 year, pull the ear straight back. For children 1 year to adult, pull the ear up and back to straighten the ear canal.
4. Press the measurement button (often the same as the power button) once. A beep will sound, and the measurement will be completed in approximately 1 second.
5. Remove the thermometer from the ear. The temperature reading will be displayed on the large screen.
6. If a fever is detected (temperature exceeds a preset threshold), the thermometer may emit a specific alarm sound or change display color.
7. The thermometer will automatically turn off after approximately 60 seconds of inactivity to conserve battery life. You can also manually turn it off by pressing and holding the power button.



Figure 3: Proper technique for taking an ear temperature measurement with the POLYGREEN KI-8170.

5.2 Memory Function

The thermometer stores previous temperature readings for easy recall.

- With the thermometer turned off, press the power button briefly.
- After the initial display check, the last measurement will be shown.
- Press the button repeatedly to cycle through stored readings. The number of stored readings may vary by model.

6. Care and Maintenance

6.1 Cleaning the Thermometer

Regular cleaning ensures accurate readings and extends the life of your thermometer.

- After each use, especially when used in the ear, clean the probe tip with an alcohol swab or a cotton swab moistened with alcohol (70% isopropyl alcohol is recommended).
- Wipe the main body of the thermometer with a soft, dry cloth.
- Do not use abrasive cleaning agents or immerse the entire device in liquid. While the device is waterproof, excessive immersion is not recommended for cleaning.
- Allow the probe to dry completely before storing.

6.2 Storage

- Store the thermometer in its protective case (if provided) in a cool, dry place, away from direct sunlight and extreme temperatures.
- If the thermometer will not be used for an extended period, remove the batteries to prevent leakage.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Thermometer does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity or replace with new batteries.
Inaccurate readings.	Dirty probe tip, improper placement, or device not acclimatized to room temperature.	Clean the probe tip. Ensure correct insertion into the ear canal. Allow the thermometer to sit at room temperature for 30 minutes before use.
"Err" or error message displayed.	Measurement outside operating range, or internal error.	Ensure ambient temperature is within operating range. Re-take measurement. If error persists, contact customer support.
Fever alarm not working.	Temperature below fever threshold.	The alarm activates only when the temperature exceeds the preset fever threshold.

8. Specifications

Model:	KI-8170
Brand:	POLYGREEN
Measurement Type:	Infrared (Ear)
Measurement Time:	Approx. 1 second
Units:	Celsius (°C) / Fahrenheit (°F) switchable
Special Features:	Fever Alarm, Memory Function, Large Display, Waterproof
Power Source:	Battery powered
Manufacturer:	K-JUMP HEALTH CO., LTD.

9. Warranty and Support

POLYGREEN products are manufactured with quality in mind. For information regarding warranty coverage, please refer to the warranty card included with your product or contact your local POLYGREEN distributor or customer service.
For technical support or inquiries, please visit the official POLYGREEN website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

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