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Alcedo AE174

Alcedo Forehead and Ear Thermometer (Model AE174) User Manual

Your guide to accurate temperature measurement for adults, children, and infants.

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Alcedo Forehead and Ear Thermometer, Model AE174. Please read this manual thoroughly before first use and keep it for future reference. This device is designed for measuring human body temperature via the forehead or ear, and also for measuring object temperatures.

2. PRODUCT OVERVIEW AND PACKAGE CONTENTS



Image: Alcedo Forehead and Ear Thermometer, Model AE174, shown with its retail packaging.

The Alcedo AE174 thermometer is a versatile device offering multiple measurement modes. Its design includes a magnetic probe cover for easy switching between forehead and ear modes.

Package Contents:

All In One Package

Ready To Use



Image: All items included in the Alcédo thermometer package.

- 1 x Alcédo Forehead and Ear Thermometer (Model AE174)
- 1 x Storage Pouch
- 2 x AAA Batteries
- 1 x User Manual (this document)
- 1 x Quick Start Guide

3. KEY FEATURES

- **4-in-1 Measurement Modes:** Adult Forehead, Child Forehead, Ear, and Object temperature.
- **Accurate and Fast Readings:** Clinically tested for precise measurements in approximately 1 second.
- **Color-Coded Display:** Screen changes color to indicate normal or elevated temperature.
- **Memory Function:** Stores up to 20 previous readings for tracking.
- **Silent Mode:** Allows for temperature measurement without disturbing sleep.
- **Magnetic Probe Cover:** Ensures easy operation and protects the ear probe.
- **Switchable Units:** Easily switch between Celsius (°C) and Fahrenheit (°F).
- **Backlit Display:** Clear, supersized numbers for easy reading in any light condition.

4-in-1 Smart Thermometer

AccuSwitch Technology allows you to effortlessly measure adult, kids, and even food temperatures with ease and confidence



Image: Visual representation of the thermometer's 4-in-1 measurement capabilities.

4. DEVICE COMPONENTS

Know Your Thermometer



Image: Labeled diagram of the Alcedo thermometer's external parts.

1. **Probe Cover:** Protects the ear probe and enables forehead mode when attached.
2. **Probe:** Infrared sensor for temperature measurement.
3. **Power/Measure Button:** Turns the device on/off and initiates a measurement.
4. **Mode Button (Adult/Child/Ear/Object):** Cycles through different measurement modes.
5. **°F/°C Switch:** Toggles between Fahrenheit and Celsius temperature units.
6. **Memory/Mute Button:** Accesses stored readings and activates/deactivates silent mode.

5. SETUP

5.1 Battery Installation

Your Alcedo thermometer requires 2 AAA batteries (included). To install or replace batteries:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Initial Power On and Unit Selection

After installing batteries, press the Power/Measure button to turn on the thermometer. The device will perform a self-check and display the last reading. To switch between Fahrenheit (°F) and Celsius (°C), locate the °F/°C switch on the side of the device and slide it to your desired unit.

6. OPERATING INSTRUCTIONS

Ensure the thermometer has been in the same room as the user for at least 30 minutes before measurement for optimal accuracy.

6.1 Forehead Mode (Adult/Child)

Use this mode for non-contact temperature measurement on the forehead. The probe cover must be attached.

Tips for Accurate Results

- ✓ Make sure that both user and thermometer have stayed in same room for at least 30 minutes.
- ✓ Check and clean the lens regularly. If it's not clear, please clean it with a cotton swab with alcohol, wait 5-10 mins, you can use thermometer after alcohol evaporated completely.
- ✓ Forehead mode: make sure there isn't any sweat, water or condensation on the skin. Ear mode: please remove earwax, keep the ear canal clean.
- ✗ Do not move during measurement.
- ✗ Do not hold the thermometer for long time as it's highly sensitive to heat.
- ✗ Do not repeat use with no pause. If taking multiple readings, please wait at least 10 seconds between readings.



Image: Step-by-step instructions for taking a forehead temperature.

1. Ensure the probe cover is securely attached.
2. Press the Power/Measure button to turn on the device.
3. Press the Mode button to select either Adult Forehead or Child Forehead mode.
4. Point the thermometer probe to the center of the forehead, approximately 1-3 cm (0.4-1.2 inches) away from the skin surface.
5. Press and release the Power/Measure button. The temperature will be displayed on the screen instantly.

Important: Ensure there is no sweat, water, or condensation on the skin during forehead measurement.

6.2 Ear Mode

Use this mode for accurate temperature measurement inside the ear canal. The probe cover must be removed.

Color Coded Display Provides Fever Guidance



Normal Temperature



Fever

	Range	Sound	Range	Sound
Forehead temperature (Adult / Child)	35.0°C-37.5°C 95.0°F-99.5°F	A long beep	37.6°C-42.2°C 99.6°F-108.0°F	3 short double beeps
Ear temperature (Adult / Child)	35.0°C-37.5°C 95.0°F-99.5°F	A long beep	37.6°C-42.0°C 99.6°F-107.6°F	3 short double beeps
Object temperature	0°C-100°C 32.0°F-212°F	A long beep		3 short double beeps

Image: Step-by-step instructions for taking an ear temperature.


1. Gently remove the magnetic probe cover. The device will automatically switch to Ear mode.
2. Press the Power/Measure button to turn on the device.
3. Gently insert the probe into the ear canal. For children, gently pull the earlobe back and up to straighten the ear canal.
4. Press and release the Power/Measure button. The temperature will be displayed instantly.

Important: Ear mode is not recommended for infants under 3 months. Ensure the ear canal is clean and free of earwax for accurate readings.


6.3 Object Mode


Use this mode to measure the temperature of surfaces, liquids (like bath water), or food.

How to Measure Your Temperature – Object Mode




Step 1

Choose 



Step 2

Point the thermometer probe to the center of the object, about **“1-3cm”** away from the object surface



Step 3


Press and release  button. The temperature will be displayed on the screen instantly

Image: Step-by-step instructions for taking an object temperature.

1. Ensure the probe cover is attached.
2. Press the Power/Measure button to turn on the device.
3. Press the Mode button to select Object mode.
4. Point the thermometer probe to the center of the object, approximately 1-3 cm (0.4-1.2 inches) away from the surface.
5. Press and release the Power/Measure button. The temperature will be displayed instantly.

6.4 Silent Mode

To activate or deactivate silent mode, press and hold the Memory/Mute button for a few seconds until the mute icon appears or disappears on the display. This is useful for taking temperatures without disturbing a

sleeping individual.



Image: The thermometer display showing the silent mode icon.

6.5 Memory Function

The thermometer automatically stores the last 20 temperature readings. To recall previous readings, press the Memory/Mute button briefly when the device is on. Each press will cycle through the stored readings.

6.6 Color-Coded Display and Fever Guidance

The display backlight changes color to provide a quick indication of temperature status:

- **Green:** Normal temperature.
- **Red:** Elevated temperature (fever).

How to Measure Your Temperature – Forehead Mode



Step 1

Choose  or  



Step 2

Point the thermometer probe to the center of the forehead, about **“1-3cm”** away from the skin surface



Step 3

Press and release  button. The temperature will be displayed on the screen instantly

Image: Table detailing temperature ranges, display colors, and sound alerts for normal and fever conditions.

Temperature Guidance Table

Measurement Type	Normal Temperature Range	Fever Temperature Range	Sound Indication
Forehead (Adult/Child)	35.0°C-37.5°C (95.0°F-99.5°F)	37.6°C-42.2°C (99.6°F-108.0°F)	Normal: A long beep; Fever: 3 short double beeps
Ear (Adult/Child)	35.0°C-37.5°C (95.0°F-99.5°F)	37.6°C-42.0°C (99.6°F-107.6°F)	Normal: A long beep; Fever: 3 short double beeps
Object Temperature	0°C-100°C (32.0°F-212°F)	N/A	Normal: A long beep; Fever: 3 short double beeps

7. MAINTENANCE

7.1 Cleaning the Thermometer

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

- The thermometer is designed for hand wash only. Do not immerse the device in water or other liquids.
- To clean the probe lens: Gently wipe the lens with a cotton swab moistened with alcohol. Allow 5-10 minutes for the alcohol to evaporate completely before using the thermometer.
- To clean the body of the thermometer: Wipe with a soft, slightly damp cloth. Do not use abrasive cleaners or solvents.

7.2 Storage

Store the thermometer in its provided storage pouch 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.

8. TROUBLESHOOTING AND TIPS FOR ACCURATE RESULTS

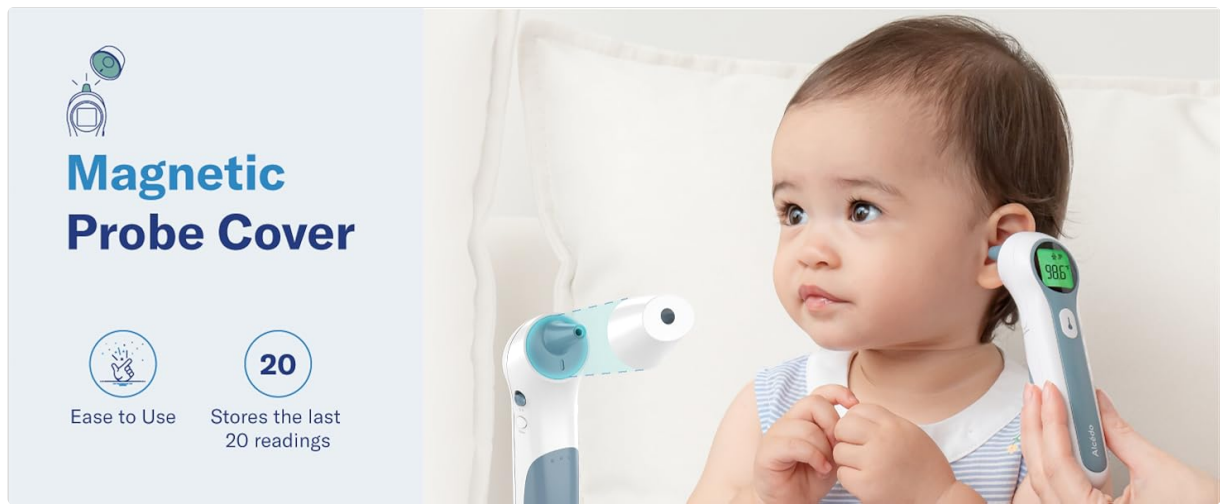


Image: Visual guide for ensuring accurate temperature readings.

- **Inconsistent Readings:**

- Ensure both the user and thermometer have been in the same room for at least 30 minutes.
- Check and clean the probe lens regularly. A dirty lens can affect accuracy.
- For forehead mode, ensure there is no sweat, water, or condensation on the skin.
- For ear mode, ensure the ear canal is clean and free of earwax.
- Do not move the thermometer during measurement.
- Do not hold the thermometer for too long as it is sensitive to heat from your hand.
- If taking multiple readings, wait at least 10 seconds between measurements.

- **Device Not Turning On:** Check battery installation and ensure batteries are not depleted. Replace if necessary.

- **Error Message Displayed:** Refer to the quick start guide or contact customer support if an error code persists after following basic troubleshooting steps.

9. SPECIFICATIONS

Feature	Detail
Model Number	AE174
Measurement Modes	Forehead (Adult/Child), Ear, Object
Measurement Time	Approximately 1 second
Temperature Units	Celsius (°C) / Fahrenheit (°F)
Memory Storage	Up to 20 readings
Display Type	LCD with Backlight
Power Source	2 x AAA Batteries (included)
Product Dimensions	6.61 x 1.97 x 1.93 inches
Weight	4.3 ounces
Outer Material	Plastic

Feature	Detail
Connectivity Technology	Infrared
Specification Met	FDA
Manufacturer	Nature Major Inc.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Alcedo Forehead and Ear Thermometer (Model AE174) comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For any questions, concerns, or technical assistance, please contact Alcedo customer support. Alcedo Health provides US-based customer service to assist you.

Please refer to the contact information provided on the product packaging or the official Alcedo website for the most current support details.