Boncare FT-100A

Boncare FT-100A Infrared Ear and Forehead Thermometer User Manual

Model: FT-100A

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your Boncare FT-100A Infrared Ear and Forehead Thermometer. Please read this manual thoroughly before using the device and retain it for future reference. This thermometer is designed for accurate temperature measurement in adults, children, and infants.



Image 1.1: The Boncare FT-100A Infrared Thermometer and its retail packaging.

2. Product Overview

The Boncare FT-100A thermometer offers versatile temperature measurement capabilities, including ear, forehead, and object modes. It features a clear digital display and intuitive controls.

2.1 Components



Image 2.1: Labeled components of the Boncare FT-100A thermometer.

1. **Display Screen:** Shows temperature readings, mode indicators, and battery status.
2. **SCAN/Memory Button:** Initiates a temperature scan and accesses memory records.
3. **ON/OFF/MODE Button:** Powers the device on/off and switches between measurement modes.
4. **Probe Cap:** Protects the ear probe and is removed for ear measurements.
5. **Probe:** The infrared sensor for temperature detection.
6. **Prompt Tone Switch:** Located in the battery compartment, allows toggling audible alerts.

3. Setup

3.1 Battery Installation

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

1. Open the battery compartment cover located on the back of the device.
2. Insert the 2 AAA batteries, ensuring correct polarity (+ and -).

3. Close the battery compartment cover securely.

3.2 Temperature Unit Selection (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F):

1. Ensure the thermometer is in shutdown mode.
2. Press and hold the "SCAN" button for approximately 5 seconds until "°C" or "°F" is displayed.
3. Release the "SCAN" button.
4. Short press the "SCAN" button again to toggle between "°C" and "°F".
5. The selected unit will be saved automatically.



Image 3.1: Visual guide for switching temperature units.

3.3 Silent Mode Activation

The thermometer features a silent mode to avoid disturbing sleeping individuals. To enable or disable the prompt tone:

1. Remove the battery compartment cover.

2. Remove the batteries.
3. Locate the small prompt tone switch inside the battery compartment and toggle it to the desired ON or OFF position.
4. Reinstall the batteries and close the battery cover.



Image 3.2: Location of the prompt tone switch for silent mode.

4. Operating Instructions

4.1 General Measurement Guidelines

- Ensure the thermometer is clean before use.
- Allow the thermometer to acclimatize to room temperature for at least 30 minutes before use if it has been stored in a significantly different environment.
- For consistent results, take measurements at the same location and time of day.
- Avoid taking measurements immediately after eating, drinking, exercising, or showering.

4.2 Switching Measurement Modes

The thermometer can easily switch between Ear Mode and Forehead Mode by adjusting the probe cap.



Image 4.1: Switching between Ear and Forehead measurement modes.

- **Ear Mode:** Remove the magnetic probe cap.
- **Forehead Mode:** Ensure the magnetic probe cap is securely attached.

4.3 Forehead Mode Measurement

This mode is suitable for all ages and provides a non-contact measurement.

1. Ensure the probe cap is attached.
2. Press the "ON/OFF/MODE" button to turn on the thermometer.
3. Point the thermometer at the center of the forehead, maintaining a distance of 0.3 to 1.2 inches (1-3 cm).
4. Press the "SCAN" button. The reading will appear on the display in approximately 1 second.



Image 4.2: Forehead temperature measurement.

4.4 Ear Mode Measurement

Ear temperature readings are considered highly accurate, especially for detecting fever.

1. Remove the probe cap.
2. Press the "ON/OFF/MODE" button to turn on the thermometer.
3. Gently insert the probe into the ear canal. For children under 1 year, gently pull the ear straight back. For children over 1 year and adults, gently pull the ear up and back to straighten the ear canal.
4. Press the "SCAN" button. The reading will appear on the display in approximately 1 second.



Image 4.3: Ear temperature measurement.

4.5 Object Mode Measurement

This mode allows for measuring the surface temperature of objects, such as baby bottles or bath water.

1. Press the "ON/OFF/MODE" button to turn on the thermometer.
2. Press the "ON/OFF/MODE" button repeatedly until the object mode icon (usually a bottle or similar) appears on the display.
3. Point the thermometer at the object whose surface temperature you wish to measure.
4. Press the "SCAN" button. The reading will appear on the display.



Image 4.4: The thermometer supports Ear, Forehead, and Object modes.

4.6 Memory Function

The thermometer stores up to 20 previous temperature readings. To access memory records:

1. With the thermometer turned on, press the "SCAN" button briefly.
2. Each subsequent short press of the "SCAN" button will cycle through the stored readings, from most recent to oldest.

4.7 Clear Reading in the Dark

The large LED screen with backlight and silent mode feature allows for easy temperature readings even in low-light conditions without disturbing a sleeping individual.



Image 4.5: Using the thermometer in silent mode with backlit display in a dark environment.

5. Maintenance

5.1 Cleaning

- After each use, especially for ear measurements, clean the probe with an alcohol swab or a cotton swab moistened with alcohol (70% isopropyl alcohol).
- Do not immerse the thermometer in water or any other liquid.
- Use a soft, dry cloth to clean the body of the thermometer.
- Ensure the thermometer is completely dry before storing.

5.2 Storage

- Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.
- If the thermometer will not be used for an extended period, remove the batteries to prevent leakage.

5.3 Battery Replacement

When the low battery indicator appears on the display, replace the 2 AAA batteries as described in Section 3.1.

6. Troubleshooting

Problem	Possible Cause	Solution
No display when powered on	Batteries are dead or incorrectly installed.	Check battery polarity or replace with new AAA batteries.
Inaccurate readings	Probe lens is dirty; thermometer not acclimatized; improper measurement technique.	Clean the probe lens. Allow thermometer to acclimatize. Ensure correct measurement distance/insertion.
"Lo" or "Hi" displayed	Temperature is outside the measurable range.	Ensure the measurement is taken within the specified operating temperature range.
Unit stuck in Celsius/Fahrenheit	Incorrect procedure for unit change.	Refer to Section 3.2 for correct temperature unit selection steps.
No sound in silent mode	Silent mode is activated.	This is normal. If sound is desired, refer to Section 3.3 to deactivate silent mode.

7. Specifications

Feature	Detail
Model Name	FT-100A
Measurement Modes	Ear, Forehead, Object
Measurement Time	Approximately 1 second
Accuracy	±0.2°C / ±0.3°F (typical)
Measurement Range	32°C–43°C / 89.6°F–109.4°F (Body Temperature)
Memory Storage	20 readings
Display Type	Digital LED with Backlight
Power Source	2 AAA batteries (included)
Special Features	Auto Off, Dual Probe, Fast Reading System, High Accuracy, Non-Contact, Silent Mode
Outer Material	Plastic
Package Dimensions	7.32 x 3.11 x 2.2 inches
Weight	5.11 ounces (approx.)
Manufacturer	Hangzhou Universal Electronic Co.,Ltd.

8. Warranty and Support

The Boncare FT-100A Infrared Ear and Forehead Thermometer comes with a**1-Year Limited Warranty**.
For customer service, technical support, or warranty claims, please contact Boncare customer support through their official channels. Refer to the product packaging or the Boncare brand store on Amazon for contact information.
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