

Smart Bluetooth Ear + Forehead DualScan™ Thermometer



Manual Information

- Manual Version: 3.3
- Date of Issue: 10/25/22

Product Information

- Product Name: Smart Bluetooth Ear + Forehead DualScan™ Thermometer
- Model: 700026
- Software version: 1.0.0
- Manufacturer: Shenzhen Jumper Medical Equipment Co., Ltd
- Address: D Building, No. 71, Xinjian Road, Fuyong Street, Baan, Shenzhen, Guangdong, China.

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Copyright

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Introduction

Please read the User Manual carefully to ensure this thermometer's safe and proper use.



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What's in the Box

Please carefully open the package before use. Ensure all necessary accessories are present. Check to see if any components were damaged during shipping. Install and use this device in accordance with the instruction in this user manual. In the event of any damage or operational issues, please contact MOBI Technologies, Inc.

Package Contents

No.	Name	Quantity
1	Smart Bluetooth Ear + Forehead DualScan™ Thermometer	1
2	Pouch	1
3	Battery (AAA)	2
4	User Manual	1

Safety Precautions

Please read the following precautions carefully before using the thermometer.

 Warning
Take care of the temperature probe lens, which is fragile.
Do not perform service/maintenance while the equipment is in use.
Batteries/electronic equipment does not belong in domestic waste and must be disposed of in accordance with the applicable statutory provisions.

- | |
|--|
| <ul style="list-style-type: none">• The thermometer does not need recalibration. |
| <ul style="list-style-type: none">• Ensure the thermometer is not exposed to lint, dust, or direct light (including sunlight), etc. |
| <ul style="list-style-type: none">• Please note that damaged sensors can hinder performance and cause additional problems. |
| <ul style="list-style-type: none">• Ensure the thermometer is kept away from pests and other animals. |
| <ul style="list-style-type: none">• If the thermometer is broken or its infrared optical components are damaged, please cease use immediately. |
| <ul style="list-style-type: none">• When necessary, the operator or responsible organization should contact the manufacturer or a manufacturer representative for assistance in setting up, using, or maintaining the equipment or system or to report unexpected operations or incidents. |
| <ul style="list-style-type: none">• The IR thermometer is intended only for consumer use |
| <ul style="list-style-type: none">• The use of accessories, detachable components, and materials not described in the instructions for use, as applicable, may lead to injury. |
| <ul style="list-style-type: none">• Unauthorized modifications to the equipment may pose a health risk. |
| <ul style="list-style-type: none">• The manufacturer can provide the circuit diagram, component part list, description, and calibration instructions to assist consumers with parts repair. |
| <ul style="list-style-type: none">• Do not subject the thermometer to harsh impacts, such as dropping or throwing the thermometer. |

- Do not take body temperature readings within 20 minutes of exercise or physical activity.
- Do not use the thermometer for purposes not specified in this User's Manual. Follow the "Measurement Process" instructions and carefully operate the thermometer when measuring a child's temperature.
- Do not immerse the thermometer in water or other liquids, as it is not waterproof. Clean and disinfect the thermometer as described in the "Cleaning and Disinfection" section.
- Avoid directly touching the tip of the temperature probe where the sensor is.
- Keep the temperature probe clean to ensure accurate readings.
- Clean the ear canal of any earwax before taking your temperature.
- To ensure accurate readings, keep the thermometer at room temperature for more than 30 minutes before use.
- Do not use the thermometer when the ambient temperature is higher than 104°F (40°C) or lower than 50°F (10°C), which is beyond the operating temperature range of the thermometer.
- **Risk of pollution!** When ready for disposal, we recommend sending your thermometer to the local garbage disposal site or back to us.
- Only use 2 AAA batteries of 1.5V in this device. Do not use batteries of other voltages or specifications.

Warning



Warning

- Do not force the temperature probe of the thermometer into an ear canal. Doing so may cause severe injury.
- Keep the thermometer out of the reach of children.
- Using a damaged thermometer may lead to inaccurate results.
- This thermometer is not intended to diagnose or treat health problems or diseases. Measurements are for reference only.
- It is dangerous to self-diagnosis or self-treat based on obtained measurements. Always consult a doctor.
- ⊘ Do not charge an alkaline dry-cell battery or expose it to flames. Doing so may cause the battery to explode.
- ⊘ Do not disassemble the thermometer or attempt to repair it. Doing so may damage the thermometer permanently.
- ⊘ Do not take temperature measurements on body parts other than the forehead and ears. Doing so may cause inaccurate temperature readings.
- ⊘ During measurement, do not use a mobile phone or any other device that may cause electromagnetic interference.
- ⊘ Do not use the thermometer in an environment where flammable anesthetics, an oxygen tank, or nitrous oxide is present.

Symbols

Symbol	Description
	Type BF applied part
	Caution
	The action is prohibited.
	Information about the manufacturer.
	Manufacture date
	Refer to operating instructions
	This product complies with the MDD93/EEC Requirements.
	Compliance with WEEE standards.
IP22	IP22: The first number 2: Protected against solid foreign objects to 12.5mm Φ and greater. The second number: Protected against vertically falling water drops when enclosure tilted up to 15°.
 Warning	Personal injury or damage to the thermometer may occur if it is not used correctly.
	Inaccurate readings or damage to the thermometer may occur if the thermometer is not used correctly.

Body Temperature Basics

- Average body temperature falls within a range.
- Average body temperature varies from person to person and can fluctuate throughout the day.
- Average body temperature also varies based on body location. Therefore, measurements from different sites should not be compared directly.
- To determine if an individual has an elevated body temperature or fever, it is important to know their average body temperature when they are well.
- Take multiple readings to obtain the average body temperature range and note where the temperature was measured on the body, for example, the forehead or ear temperature.

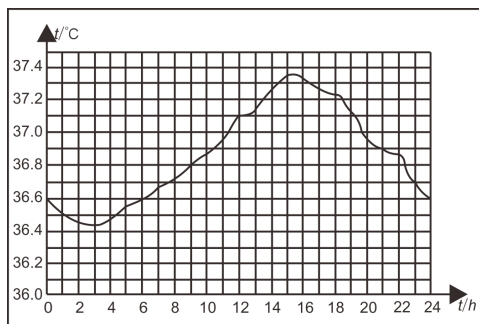
Body Site	Normal Temperature Range
Forehead	94.5°F- 99.1°F (34.7°C-37.3°C)
Ear	96.4°F-100.4°F (35.8°C-38.0°C)
Mouth	95.9°F- 99.5°F (35.5°C-37.5°C)
Armpit	94.5°F- 99.1°F (34.7°C-37.3°C)
Rectal	97.9°F-100.4°F (36.6°C-38.0°C)

The average body temperature range varies slightly with age and biological sex. Newborns & children have higher body temperatures than adults, and adults have higher body temperatures than the elderly. Biological female body temperatures are approximately 0.5°F (0.3°C) higher than biological male body temperatures.

Variation in Body Temperature

Average body temperature fluctuates throughout the day and is affected by external factors.

The body temperature of an individual is the lowest between 2:00 AM and 4:00 AM and the highest between 2:00 PM and 8:00 PM. An individual's body temperature typically changes by less than 1.8°F (1°C) daily.



Connecting MOBI Smart App

Before Getting Started

- Ensure you have access to your email to verify your MOBI Smart account.
- Have your 2.4 GHz Wi-Fi Network name & password ready.

Download MOBI Smart



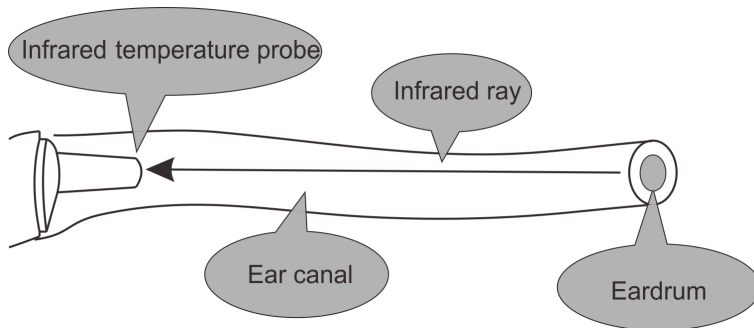
1. Sign Up/Login
2. On the homepage, tap “Add Device” and select the DualScan Thermometer (Bluetooth).
3. Follow the instructions on the app to connect.
4. Once connected, set up a custom temperature health profile to start using the Bluetooth function.

Product Description

1. Overview – The Smart Bluetooth Ear + Forehead DualScan™ Thermometer measures body temperature in the ear and on the forehead using infrared technology. It can also be used to measure the surface temperature of an object (such as milk and water).

2. Structure – The Smart Bluetooth Ear + Forehead DualScan™ Thermometer consists of a shell, an LCD, a measure button, a beeper, an infrared temperature sensor, and a Microprocessor.

3. Operating Principle – The infrared temperature sensor collects energy emitted by the eardrum or the skin surface. After being focused by a lens, the energy is converted into a temperature reading by the thermopiles and measurement circuits.



4. Intended Use – The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is intended to measure human body temperatures. Forehead mode is safe for people of all ages, and ear mode is for use by individuals above three months old.

5. Exceptions – Do not use the thermometer if the ear is infected with otitis or suppuration.

Features

Safety

- Passive infrared receiving technology.

Easy Use

- Ergonomic design.
- One-touch measurement.

Quick Results

- One-second measurement.

High accuracy

- Advanced infrared temperature sensor with high sensitivity
- Highly accurate with automatic temperature calibration.

Diverse functions

- Recalls up to twenty past readings
- Elevated temperature/fever alert.
- Switches easily between °F and °C.
- Automatic power-off conserves battery.

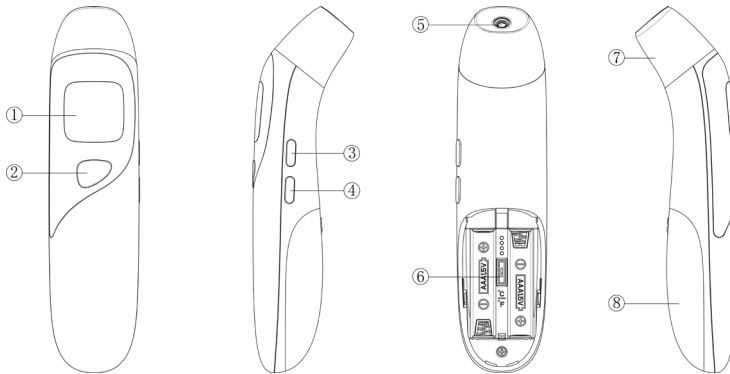
Extensive application scope

- Forehead temperature measurement can be used on all age groups.
- Ear temperature measurement applies to children older than three months, adults, and the elderly.

Child mode

- Recommended for children under 12 years of age.

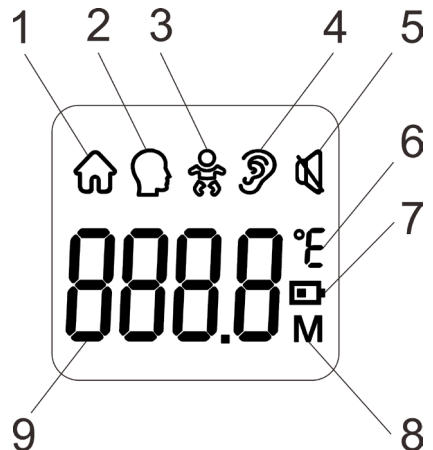
Product Structure



1. LCD screen
2. Power button/Measure button
3. Memory button/Sound switch
4. Mode button (Adult mode/Child mode/Object)
5. Probe (take off the cover when measuring the ear.)
6. Unit switch button (°F/°C)
7. Probe cover (Automatically switch between objects, forehead, and ear mode by removing the probe cover to measure ear temperature. Replace the probe cover for object and forehead temperature measurement.)
8. Battery cover

Display Description

1. Object temperature mode
2. Forehead temperature mode
3. Child mode
4. Ear temperature mode
5. Mute / un-mute
6. Temperature unit (°F/°C)
7. Battery indicator
8. Memory recall
9. Temperature value



Sounds and Backlight Color Instructions

Range	Sound	Backlight
Forehead Temperature (Adult/Child)		
71.6°F-99.5°F/22.0°C-37.5°C	A long beep	Green
99.6°F-109.4°F/37.6°C-43°C	Three short double beeps	Red
Ear Temperature (Adult/Child)		
93.2°F-99.5°F/34.0°C-37.5°C	A long beep	Green
99.6°F-109.4°F/37.6°C-43.0°C	Three short double beeps	Red
Object Temperature		
32.0°F-212°F/0°C-100°C	A long beep	Green

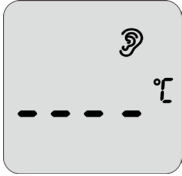
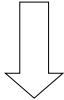
Note: When the forehead temperature is between 71.6°F/22.0°C and 99.5°F/37.5°C, or the ear temperature is between 93.2°F/34.0°C and 99.5°F/37.5°C, there will be a long beep and a green backlight.

This indicates that your body temperature is normal.

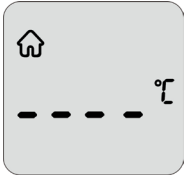
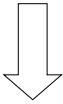
When the forehead and ear temperature is between 99.6°F/37.6°C and 109.4°F/43.0°C, there will be three short double beeps and a red backlight.

This indicates that your body temperature is high. You may have a fever. Please consult your doctor if you are not sure.

Display and Operating Instructions

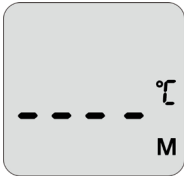
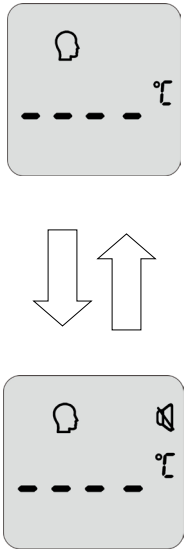
Screen Display	Operating Instructions Displayed State
Measuring Ear Temperature (Adult/Child)	
   Adult Ear Temperature or  Child Ear Temperature	Remove the probe cover, then press and release the Power button for one second to power on the thermometer. The “Ear” symbol () will appear on the screen. Switch to adult or child measurement mode by pressing the Mode button. Insert the temperature probe gently into the ear canal. Press the Measure button to start a measurement.

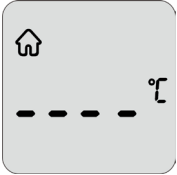
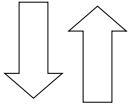
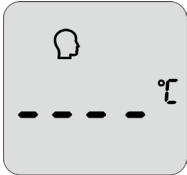
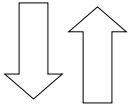
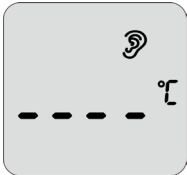
Screen Display	Operating Instructions Displayed State
Measuring Forehead Temperature (Adult/Child)	
Adult Forehead Temperature or Child Forehead Temperature	Place the cover on the probe, then press and release the Power button for one second to power on the thermometer. The “Head” symbol () will appear on the screen. Switch to adult or child () measurement mode by pressing the Mode button. Point the thermometer at the center of the forehead about “0.5~1.5in.” away from the skin surface. Press and release the Measure button. The temperature will be displayed on the screen.

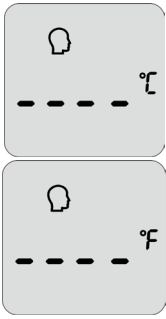
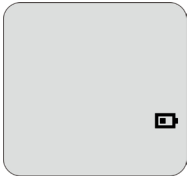
Screen Display	Operating Instructions Displayed State
Measuring Object Temperature	
   Object Temperature	Place the cover on the probe, and switch to object measurement mode by pressing the Mode button. After the thermometer enters Object mode, the “House” symbol () will appear on the screen. Point the thermometer at the object's center, then press and release the Measure button. Afterward, the temperature will be displayed on the screen.

Screen Display	Operating Instructions Displayed State	Sound and Backlight Color
Out-of-Measuring Range Display		
 For Reference Only	In Ear mode - a temperature reading of more than 109.4°F/43.0°C In Forehead mode - a temperature reading of more than 109.4°F/43.0°C In Object mode - a temperature reading of more than 212.0°F/100°C	A long beep and a red backlight
 For Reference Only	In Ear mode - a temperature reading of less than 93.2.0°F/34.0°C In Forehead mode - a temperature reading of less than 71.6°F/22.0°C In Object mode - a temperature reading of less than 32.0°F/0°C	A long beep and a red backlight

Screen Display	Operating Instructions Displayed State	Sound and Backlight Color
Recall 20 Memories		
      	Press the Memory button to enter memory mode with the device powered on. When the Memory button is released, 01 will display, followed by the recorded reading. Press the Memory button again for the next recorded data. 02 will be shown, followed by the recorded reading. A maximum of 20 temperature readings can be recalled. When the maximum number of recordings is exceeded, the earliest recording will be overwritten. Note: 01 represents the latest recorded reading	Silent. The backlight is green.

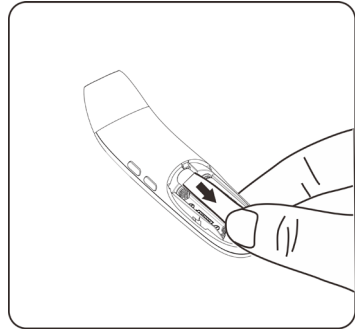
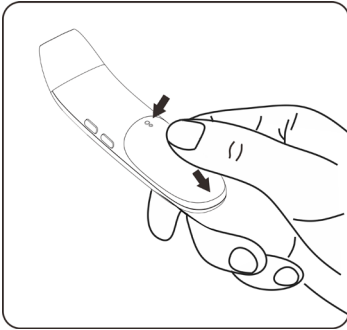
Screen Display	Operating Instructions Displayed State	Sound and Backlight Color
No Memory Data/Clear Memory Data		
	The display is as shown when there is no more data to be checked while recalling data. Remove the batteries, and after 10 seconds, re-install them to clear all recorded data.	When the power is turned back on, there is a long beep and a green backlight, which then turns red.
Switching between Mute and Unmute		
	In the power-on state, press and hold the Sound Switch button for about 2 seconds to switch the sound on or off. When the sound is turned on, it will beep once, and the mute symbol will be displayed when the sound is off. The  symbol displays in Mute mode and disappears in Unmute mode.	When the sound is turned on, there will be a long beep, and the backlight is green.

Screen Display	Operating Instructions Displayed State	Sound and Backlight Color
Switching between Object and Body Temperature Modes		
    	Press the Mode button to switch between the Object and Forehead modes when putting on the probe cover. Ear mode (adult/child) will be activated by removing the probe cover.	Silent, the backlight is green.

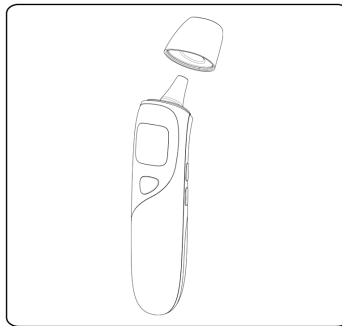
Screen Display	Operating Instructions Displayed State	Sound and Backlight Color
Switching between °F/°C		
	You can change units by switching the °F/°C button.	Silent
Error Information and Low Battery		
	The ambient temperature is above 104.0°F (40.0°C) or below 50.0°F (10.0°C).	A long beep and the backlight is colored red.
	An error occurs when data is being read from or written to the memory or the temperature correction is not complete.	A long beep and the backlight is colored red.
	The low battery symbol will appear on the display when the battery voltage is lower than 2.5V ± 0.1V. Please replace the batteries.	Silent

Measuring Ear Temperature

1. When using the thermometer for the first time, move the battery's insulating piece out of the way.



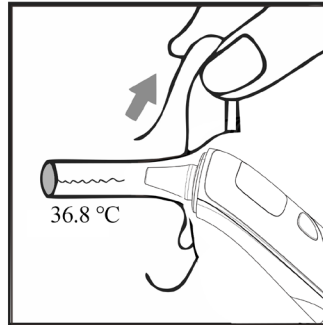
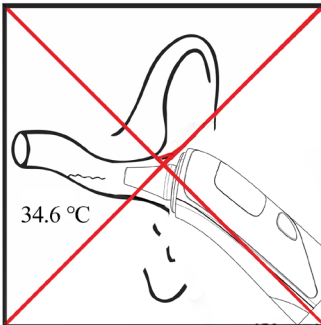
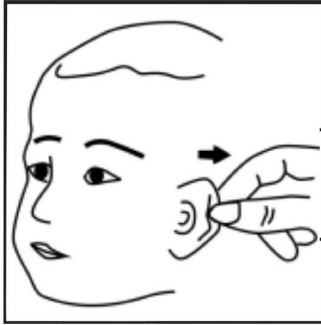
2. Remove the probe cover from the thermometer before measuring the ear temperature.



3. Press the **Power button** to power on the thermometer.
4. The “Ear” () symbol will display on the screen.
5. Switch from “adult” to “child” mode by pressing the **Mode button** until the “child” () icon appears.
6. Gently insert the temperature probe into the ear canal.
7. Press and release the **Measure button**. The ear temperature reading will display instantly.

When measuring a child's temperature in Ear Mode

- Children under one year: Gently pull the ear straight back.
- Children aged one year to adult: Gently pull the ear up and back.



Caution: Do not force the thermometer into the ear canal. Doing so may cause injury to the ear canal.



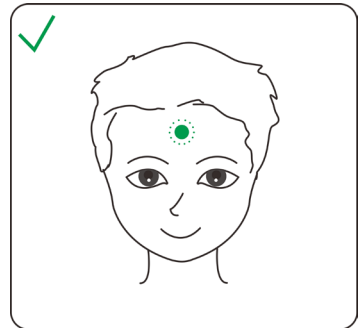
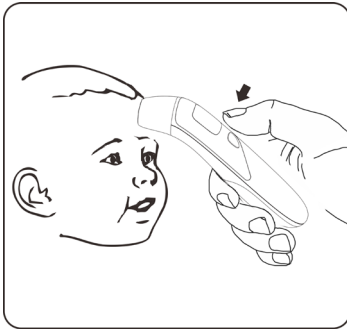
Caution: When taking an adult's temperature, gently pull the ear up and back to ensure the ear canal is straight so the temperature probe can receive an infrared ray from the eardrum.



Caution: Be careful when taking the temperature of a child whose ear canal is small.

Measuring Forehead Temperature

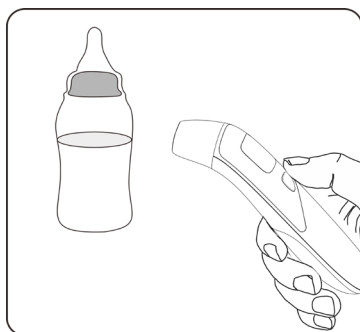
1. Remove the thermometer's probe cover.
2. Press the **Power button** to turn on the thermometer.
3. Press the **Mode button** until the thermometer is in **Forehead Mode** and the () symbol displays on the screen.
4. Switch between “adult” and “child” modes by pressing the **Mode button**.
5. The () symbol will appear in **Child Mode**.
6. Point the thermometer probe at the center of the forehead, about “0.5~1.5in.” away from the skin's surface.



7. Press and release the **Measure button** for one second. The temperature reading will display on the screen instantly.
8. If no activity is detected, the thermometer will power off automatically in 10 seconds.

Measuring Object Temperature

1. Place the cover on the probe of the thermometer.
2. Press the **Power button** to turn on the thermometer.
3. Press the **Mode button** to set the thermometer to object mode. The () symbol will display on the screen.
4. Point the thermometer probe at the center of the object, about "0.5~1.5in." away from the object's surface.
5. Press and release the **Measure button** for one second. The temperature reading will display instantly on the screen.
6. The thermometer will automatically power off after 10 seconds if no activity is detected.



After a measurement

- After each measurement, you can enter the recall mode and query earlier temperature readings. For more details, see "**Recall 20 memories**" in the preceding table.
- After each measurement, clean the temperature probe with a soft cloth and store the thermometer in a dry, well-ventilated area.



Caution: It is dangerous to make a self-diagnosis or perform self-treatment based on the obtained measurement results.

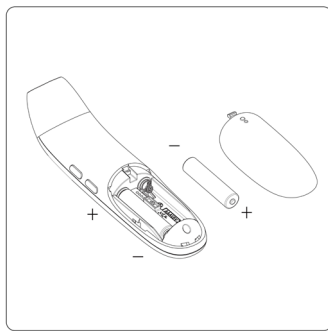
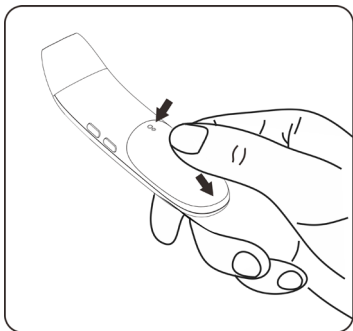
For such purposes, please consult a doctor.

Important user Notes:

- 1.** The thermometer is intended for indoor environments without strong air convection (for example, winds from a fan, an air-conditioner, or a heater) between the thermometer and the person.
- 2.** Ensure the ear canal is clean and dry before starting a measurement. Gently clean any dirt or wax from the ear canal. Substantial amounts of wax or debris may hinder the probe, making temperature readings inaccurate.
- 3.** Do not hold the thermometer for extended periods, as it is sensitive to ambient temperature.
- 4.** Make sure the forehead is clean before use.
- 5.** Ensure the forehead is dry with no hairs covering it before using forehead mode. Otherwise, the result could be incorrect.
- 6.** Wait at least 20 minutes after intense exercise or physical activity before taking a temperature reading.
- 7.** After measuring a temperature, you should wait for the backlight to turn off before measuring a temperature again.

Replacing Batteries

1. Slide off the battery cover along the marked direction and take it off.
2. Insert two AAA batteries into the compartment according to the stated polarities.



Caution: Make sure the batteries are installed correctly. Otherwise, the thermometer may be damaged.



Caution: Do Not Mix old and new batteries



Caution: Do Not Mix alkaline, standard, or rechargeable batteries.



Caution: If the low-battery symbol is displayed on the screen, replace the batteries.



Caution: Dispose of the used batteries in accordance with your local environmental policies.



Caution: The thermometer comes with batteries. First, open the battery cover, then remove the insulating piece.

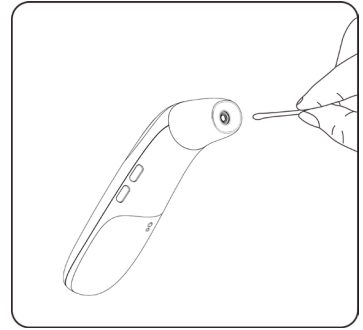
Cleaning and Disinfection

Cleaning

Recommended detergents:

- Medical detergents
- Home use mild detergents

Cleaning steps:



1. Take the batteries out before cleaning.
2. Clean the temperature probe with a soft cloth. Clean the lens of the temperature probe with a cotton swab.
3. Wipe the thermometer body with a soft, slightly damp cloth.



Keep water out of the lens during the cleaning process. Otherwise, the lens may be damaged.



The lens may be scratched if cleaned with a hard object, which may result in inaccurate readings.



Do not clean the thermometer with corrosive cleaners. During the cleaning process, do not immerse any part of the thermometer in liquid or allow liquid to penetrate the thermometer.

Disinfection

Recommended disinfectants:

- Isopropyl alcohol solution (concentration: 70%)
- Medicinal alcohol (concentration: 75%)
- Sodium hypochlorite solution (concentration: 3%)

Disinfecting Steps:

1. Wet a clean, soft cloth with a small quantity of disinfectant, wipe the thermometer, & immediately dry.

2. Disinfect the thermometer body and the area around the temperature probe with a slightly moistened cloth using 75% medical alcohol.



Do not use hot steam or ultraviolet radiation for disinfection. Doing so may damage the thermometer.

Disinfect the thermometer before and after each use.



Disinfect the thermometer for 1 minute, and do not disinfect the thermometer more than two times simultaneously.



Clean and disinfect the thermometer below a temperature of +50°F-104°F10 (°C~+40°C), relative humidity of 15%~85%RH (no condensation), and barometric pressure of 86kPa~106kPa.

Maintenance

Preventative inspection & maintenance period

1. Ensure the effectiveness of the thermometer, and check whether there are any safety hazards during regular use weekly, e.g., whether the lens is broken, the shell has cracks, or the sensing head is dirty.
2. Do not use the thermometer if there is a potential safety hazard. Clean the thermometer if it has not been cleaned recently.
3. After each use, clean the temperature probe per instruction in the "Cleaning and Disinfection" chapter.
4. Store the thermometer in a dry, dust-free, and well-ventilated area. Ensure the thermometer is not exposed to direct sunlight. Ensure any storage and transportation environments meet the above requirements.
5. Check regularly for safety hazards.
6. Remove the batteries if the thermometer will not be used for more than two months.

Troubleshooting

Problem	Possible Cause	Solution
The thermometer fails to power on.	Low battery	Change the batteries.
	The polarities of the batteries are reversed.	Make sure that the batteries are installed correctly.
	The thermometer is damaged.	Contact the manufacturer.
"Er1" is displayed.	The ambient temperature is lower than 50.0°F (10°C) or higher than 104°F (40°C).	Measure in an ambient temperature between 50.0°F (10°C) and 104°F (40°C).
The temperature reading is lower than the typical body temperature range.	The lens of the temperature probe is dirty.	Clean the lens using a cotton swab.

	The thermometer probe is not aligned with the eardrum.	Reposition the thermometer probe so that it is aligned with the eardrum.
	The thermometer is used within 30 minutes after being taken from a cold environment.	Wait more than 30 minutes after moving the thermometer into a new environment.
The temperature reading is higher than the typical body temperature range.	The temperature probe is damaged.	Contact the manufacturer.

Specifications

Product Name	Smart Bluetooth Ear + Forehead DualScan™ Thermometer
Product Model (Alte	700026 / (JPD-FR403)
Power Supply Mode	Internal power supply
Operating Voltage	DC 3V
Battery Model	AAAx2
Operating Mode	Continuous operating
Display	Segment LCD
Measure Time	About one second
Latency Time	About 3 seconds
Measuring Range	Forehead mode: 71.6°F-109.4°F (22.0°C-43.0°C) Ear mode: 93.2°F-109.4°F (34.0°C-43.0°C) Object mode: 32.0°F-212.0°F (0.0°C-100.0°C)
Accuracy (Laboratory)	Forehead mode: $\pm 0.2^{\circ}\text{C}$ (36.0°C-39.0°C). $\pm 0.3^{\circ}\text{C}$ (22.0°C-36.0°C / 39.0°C-43.0°C). Ear mode: $\pm 0.2^{\circ}\text{C}$ (36.0°C-39.0°C). $\pm 0.3^{\circ}\text{C}$ (34.0°C-36.0°C / 39.0°C-43.0°C). Object mode: $\pm 2.0^{\circ}\text{F}$ / $\pm 1.0^{\circ}\text{C}$
Accuracy (Clinical)	$\pm 0.6^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}$)
Resolution	0.1°F (0.1°C)
Measuring Site	The ear canal, forehead (keep distance 0.5~1.5in. from forehead)

Reference body site	Armpit
Mode of operation	Adjusted mode
Memory	Twenty temperature readings
Low-battery Alert	The low-battery symbol is displayed if the power voltage is lower than 2.5 V $\pm$ 0.1V
Automatic Power-off	The thermometer automatically powers off if it is not used in 10 $\pm$ 1 seconds.
Outer dimensions (mm)	156.5*38.6*43.4mm
Weight (lbs.)	Thermometer (with batteries): ~0.2lbs.
Manufacturing date	Refer to the label
Service life	Two years
Battery life	Alkaline dry battery: around twenty thousand measurements
Operating Environment	Temperature: 50°F–104°F10 (°C–40°C)
	Humidity: 15%–95% RH, non-condensing
	Atmospheric pressure: 86–106 kPa

The infrared thermometer has been evaluated and conforms to the standard ASTM E1965-98. ASTM laboratory accuracy requirements in the display range of 96.8°F to102.2°F (36°C–39°C) for ear canal IR thermometers are $\pm$ 0.4°F ($\pm$ 0.2°C).

Note that for mercury-in-glass and electronic thermometers, the requirement per ASTM Standards E667-86 and E1112-86 is $\pm$ 0.2°F ($\pm$ 0.1°C).

Security Class

- Type of protection against electric shock: internally powered equipment.
- Degree of protection against electric shock: Type BF applied part.
- Degree of protection against ingress of water: IP22
- Safety degree of using in flammable anesthetic gas blending with air, oxygen, or nitrous oxide: Non-AP/APG
- No application parts of the thermometer prevent the defibrillation charge effect.
- No application parts of the thermometer output signal
- The thermometer is a temporary device.

Storage and Transportation

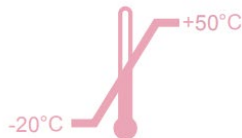
The thermometer can be transported using general transportation methods. Severe vibration, shock, or rain must be avoided during transportation.

The thermometer must be packaged and stored in a well-ventilated room without corrosive gas.

The ambient temperature must be between -4°F and 122°F ($20^{\circ}\text{C} \sim +50^{\circ}\text{C}$), and the relative humidity must be 15%-95%RH. (non-condensing), and the atmospheric pressure must be 50-106 kPa.



RH: 15%~ 95%
non-condensing



Temperature
 $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$



Atmospheric pressure
50kPa ~ 106kPa

EMC Information-Guidance and Manufacture's Declaration

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Caution: The Smart Bluetooth Ear + Forehead DualScan™ Thermometer needs special precautions taken regarding EMC and must be installed and put into service according to the EMC information provided in the ACCOMPANYING DOCUMENTS.
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Caution: Portable and mobile RF communications equipment can affect the Smart Bluetooth Ear + Forehead DualScan™ Thermometer
- 

Caution: Smart Bluetooth Ear + Forehead DualScan™ Thermometer should not be used adjacent to or stacked with other equipment.

Guidance and manufacturer

Guidance and manufacturer´s declaration – Electromagnetic emission		
The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of The Smart Bluetooth Ear + Forehead DualScan™ Thermometer should ensure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environment guide

RF emissions CISPR 11	Group 1	The Smart Bluetooth Ear + Forehead DualScan™ Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are extremely low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

Guidance and manufacturer’s declaration – Electromagnetic immunity – for all equipment and systems

Guidance and manufacturer’s declaration – Electromagnetic immunity			
The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of The Smart Bluetooth Ear + Forehead DualScan™ Thermometer should ensure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment guide
Electrostatic discharge (ESD) IEC 61000-4-2	6kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.



Guidance and manufacturer’s declaration – Electromagnetic immunity – for all equipment and systems that are not life-supporting

Guidance and manufacturer’s declaration – Electromagnetic immunity			
The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of The Smart Bluetooth Ear + Forehead DualScan™ Thermometer should ensure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment guide
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5GHz	3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the DualScan™ Thermometer, including cables, than the recommended separation distance calculated from the equation applicable to the transmitter’s frequency. Recommended separation distance $d = \left[\frac{3.5}{E_1}\right]\sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = \left[\frac{7}{E_1}\right]\sqrt{P} \quad 800 \text{ MHz to } 2.5 \text{ GHz}$

Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5GHz	3 V/m	Where p is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer, and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an The electromagnetic site survey should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 
- NOTE 1: The higher frequency range applies at 80 MHz and 800 MHz - NOTE 2 These guidelines may not apply in all situations. Electromagnetic is affected by absorption and reflection from structures, objects, and people.			

- a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcasts, and TV broadcasts, cannot be predicted theoretically with accuracy. An electromagnetic site survey should be considered to assess the electromagnetic environment due to fixed RF transmitters. If the measured field strength in the location where the Smart Bluetooth Ear + Forehead DualScan™ Thermometer is used exceeds the applicable RF compliance level above, the Smart Bluetooth Ear + Forehead DualScan™ Thermometer should be observed to verify normal operation. Additional measures may be necessary if abnormal performance is observed, such as re-orienting or relocating the DualScan™ Thermometer.
- b. Over the frequency range of 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances between portable and mobile RF communications equipment and the EQUIPMENT or SYSTEM - for EQUIPMENT and SYSTEMS that are not LIFE-SUPPORTING

The Smart Bluetooth Ear + Forehead DualScan™ Thermometer is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Smart Bluetooth Ear + Forehead DualScan™ Thermometer can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Smart Bluetooth Ear + Forehead DualScan™ Thermometer as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter	Separation distance according to the frequency of the transmitter	
	80 MHz to 800 MHz $d = [\frac{3.5}{E_1}] \sqrt{P}$	800 MHz to 2.5 GHz $d = [\frac{7}{E_1}] \sqrt{P}$
0.01	0.12	0.23
0.1	0.38	0.73
1	1.2	2.3
10	3.8	7.3
100	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

- NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.
- NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation affects absorption and reflection from structures, objects, and people.

Limited Product Warranty

MOBI® warrants its products to be free from defects in material and workmanship for 90 days from the date of purchase.

Should the product prove to be defective during the warranty period, we would either replace or repair the product at our discretion without charge.

After the warranty period, a service charge will apply for replacing parts and labor costs.

To obtain warranty service, you must return the product complete with its original parts & accessories and a copy of the original purchase, gift, or registry to us.

This warranty does not cover damage caused by tampering, accident, misuse, abuse, improper maintenance, unauthorized modification, or connection to an improper power supply. There will be a charge for repair caused for such damage.

This warranty excludes all incidental or consequential damages and any liability other than those stated above. MOBI reserves the right to modify or discontinue the offer by posting a notice on the app or website.

Extended Manual

Scan to find the most up to date
Instruction Manual & Warranty Details.



If you experience issues setting up your device, please visit our support desk at www.mobiusa.com/gethelp.

You can also reach us at **(323) 904-3000**, Monday - Friday, 8:30 AM - 5:30 PM PST.



Visit www.mobiusa.com

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