



Ear Thermometer

Operating Manual

Model: EAR-E102
Manual Version: A0
Issuing Date: 2025-11

Introduction

Thank you for purchasing this Ear Thermometer. Please read the Operating Manual carefully before using the thermometer, and put it in a safe and secure place for reference.

The Company will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information necessary to assist the User's qualified technicians in repairing parts of the equipment specified by the manufacturer as repairable.

Foreword

The ear thermometer can be used to monitor the body temperature by measuring the ear canal temperature, which is suitable for adult and children (only for the child above 3 months).

The device can be used in homecare environment, and the dan intended operator, and all the functions can be safely used.

This thermometer complies with the requirements of ISO 80601-2-56.

Package Contents

No.	Name	Quantity
1	Ear Thermometer	1
2	Pouch	1
3	Operating Manual	1
4	AA Battery	2
5	Probe Cover	20 x 1 box
6	Quick Start Guide	1

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1. Warnings and Precautions

- (1) Do not place this equipment out of the reach of children, who may inadvertently damage it.
- (2) Never immerse the thermometer into water or other liquids (not waterproof). For cleaning and disinfecting, please follow the instructions in the "Care and cleaning" section.
- (3) Never use the thermometer for purposes other than those it has been intended for. Please follow the general safety precautions when using on children.
- (4) Keep the thermometer away from direct exposure to the sun and keep it in a dust-free, dry area, well-ventilated place at a temperature between 59°F (15°C) -104°F (40°C) . Do not use the thermometer in high humidity environments ($>85\%$ RH).
- (5) Do not use the thermometer if there are signs of damage on the measuring sensor or on the instrument itself. If damaged, do not attempt to repair the instrument! Please contact the dealer.
- (6) This thermometer consists of high-quality precision parts. Do not drop the instrument. Protect it from severe impact and shock. Do not twist the instrument or the measuring sensor.
- (7) Please consult your doctor if you see symptoms such as unexplained irritability, vomiting, diarrhea, dehydration, changes in appetite or activity, seizure, muscle pain, shivering, stiff neck, pain when urinating, etc., even in the absence of fever.
- (8) Even in the absence of fever, those who exhibit a normal temperature may still need to receive medical attention. People who are on antibiotics, analgesics, or

antipyretics should not be assessed solely on temperature readings to determine the severity of their illness.

(9) Temperature elevation may indicate a serious illness, especially in adults who are old, frail, have a weakened immune system, or neonates and infants. Please seek professional advice immediately when there is a temperature elevation and if you are taking temperature for whom are:

- Over 60 years of age (Fever may be blunted or even absent in elderly patients)
- Having diabetes mellitus or a weakened immune system (e.g. HIV positive, cancer, chemotherapy, chronic steroid treatment, splenectomy)
- Bedridden (e.g. nursing home patient, stroke, chronic illness)
- A transplant patient (e.g. liver, heart, lung, kidney)

(10) This thermometer is not intended for preterm babies or small-for-gestational age babies. This thermometer is not intended to interpret hypothermic temperatures. Do not allow children to take their temperatures unattended.

(11) It is dangerous to make a self-diagnosis or self-treatment based on the obtained measurement results. For such purposes, please consult a doctor.

(12) Only use the probe cover for this model ear thermometer.

(13) Do not use the thermometer on newborns or for continuous temperature monitoring purposes.

(14) Do not take a measurement while or immediately after nursing a baby.

- (15) Patients should not drink, eat, or be physically active before/while taking the measurement.
- (16) No maintenance or servicing the device when using.
- (17) Keep the probe cover out of reach of children.
- (18) Temperature of left and right ear may differ. Always measure the same ear.
- (19) Storage environment (atmospheric pressure range 50kPa ~ 106kPa, temperature -4°F ~131°F(-20°C ~ 55°C), no more than 93%RH) and use environment (atmospheric pressure range 70kPa ~ 106kPa, temperature 59°F ~ 104°F(15°C ~ 40°C), relative humidity ≤85%RH) beyond the specified range of use, The system may not achieve the claimed performance, and measurements may be inaccurate.
- (20) Do not modify this equipment without authorization of the manufacturer.
- (21) Please follow local ordinances and recycling instructions regarding disposal or recycling of the equipment and batteries.
- (22) When the ambient temperature is less than 59°F(15°C), please take the device to the place where the ambient temperature is between 59°F ~ 104°F(15°C ~ 40°C) at least 1 hour; When the ambient temperature is higher than 104°F(40°C), please take the device to the place where the ambient temperature is between 59°F ~ 104°F(15°C ~ 40°C) at least 2 hours. Extreme temperature, humidity and altitude may lead to inaccurate measurements.
- (23) When the performance changes (such as: inaccurate measurement or abnormal display), please stop using it immediately and contact the sales service personnel in time.

(24) Do not leave the small parts where children can reach them. Children may swallow them. If a child accidentally swallows them, please contact a doctor immediately.

2. Product Description

(1) Overview

Ear Thermometer measures the body temperature based on the infrared energy emitted from the eardrum. Users can quickly get measurement results after positioning properly the temperature probe in the ear canal.

Measuring part	Normal temperature range
Ear temperature	96.4°F -99.5°F (35.8°C - 37.5°C)

(2) Structure

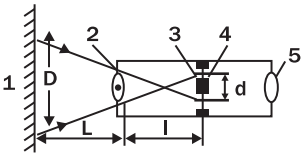
The device consists of enclosure, button, a temperature sensor, infrared temperature-measuring element, micro-computer controlled circuit, LCD, backlight and a buzzer.

(3) Operating principle

In the nature, for all objects whose temperature is higher than the absolute zero (-273.15°C), for the sake of molecule's thermal motion, radiate electromagnetic wave to the surrounding ambient including the infrared wave without a break, the relationship between the density of radiation energy with the object's temperature conform to the radiation law.

The infrared thermometer's working principle is based on the fourth-power law: infer objects' radiation temperature by measuring objects' radiation infrared energy.

Thermopile sensor can convert the infrared energy into thermoelectricity, and output as a detected signal after signal processing.



1-Subject 2-Object Len 3-Heat Plate 4-Thermocouple 5-Eye Len

Figure 1

The infrared temperature sensor detects infrared energy emitted by the eardrum. A built-in lens focuses the collected energy, which is then converted into a temperature reading by the thermopiles and measurement circuits.

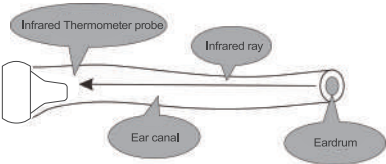


Figure 2

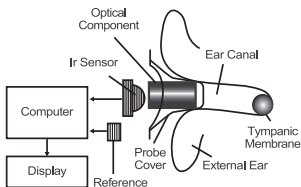


Figure 3

(4) Indications for use

The Ear Thermometer is intended to measure human body temperature of people over three months from surface of eardrum. It applies to both professional use and home use.

Intend users

- 1.Lay person or clinical professionals.
- 2.can read and understand the user manual.

Clinical benefit

This product is easier and faster to operate than mercury thermometers.

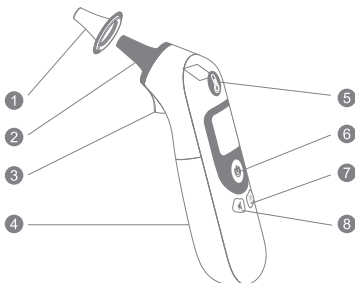
(5) Contraindications

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

3. Features

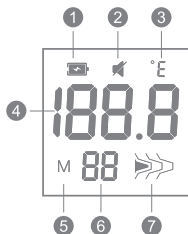
- Quick measurement, less than 1 second
- Easy operation, one button power on/off
- 40 sets of memories, easy to recall
- Switching between mute and un-mute mode
- Audio and visual fever warning
- Switching between °C and °F
- Automatic shut-down and power-saving
- Backlight color temperature indication

4. Product Structure



- | | |
|-------------------------------|------------------|
| ① Probe cover | ⑤ Measure button |
| ② Probe | ⑥ Power button |
| ③ Probe cover ejection button | ⑦ Memory button |
| ④ Battery cover | ⑧ Mute/Unmute |

5. Display Description



- | |
|--------------------------------|
| ① Low battery indication |
| ② Mute icon |
| ③ Fahrenheit / Celsius degrees |
| ④ Current temperature value |
| ⑤ Memory icon |
| ⑥ Memory number |
| ⑦ Non-probe cover warning |

6. How to Use Your Thermometer

(1) In order to avoid the inaccuracy:

- 1) Please make sure that the device will be used in the room only, and there is no strongly conversation of wind.
- 2) Please make sure that there is no intense emotion and movement before measuring.
- 3) If the device is transferred from one condition to another, which has different ambient temperature, it is suggested to deposit for more than 30 minutes.
- 4) If the tester is transferred from one condition to another, which has different ambient temperature, it is suggested to have a rest for more than 10 minutes.
- 5) Do not hold the device for a long time, as it is highly sensitive to heat.

The device has undergone clinical test, it is safe and accurate when using in accordance with operation manual. However, please be advised if the user has the following situations:

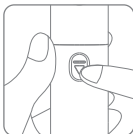
- The accuracy cannot be ensured for a person who has deformity in the ear such that the thermometer probe can not be properly inserted into the ear canal.
- The accuracy cannot be ensured when blood or drainage is found in the ear canal.
- Take temperature from the other ear if ear drops or medications have been placed in an ear.
- For a person who wears ear plug or hearing aid, remove the device and wait for 15 minutes before taking temperature.

(2) Replacing the battery

Put two AA alkaline batteries into the compartment when you use it for the first time or replace it when "  " appears. Please follow the steps to replace new batteries.

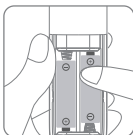
Step 1

Remove the battery cover.



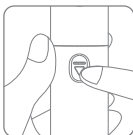
Step 2

Install 2xAA batteries according to correct polarities and then close the battery compartment properly.



Step 3

Reattach the battery cover.



 Please make sure the polarities of the batteries are not reversed when installing the batteries, otherwise damage may be caused to the thermometer.

 If you're unable to take a measurement with the low battery icon displaying on the screen, you need to replace with new batteries.

 Please choose batteries of the same model or specification. Waste batteries should be disposed of according to your local environmental protection requirements.

(3) Replace the probe cover

To obtain an accurate reading, a new, clean probe cover should be fitted before each temperature measurement.

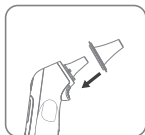
Step 1

Open the probe cover box according to the tips. Insert the thermometer probe into the box to fit a new probe cover.



Step 2

Pull the probe out with a new probe cover.



NOTE

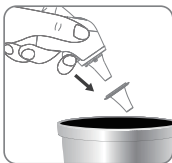
- The thermometer can't take measurements if the probe cover is not fitted.
- If a probe cover is not attached on the probe, the screen will show "  " until the probe cover is firmly attached to the probe.
- The used probe cover should be removed after each measurement by a clean and new probe cover to ensure accuracy reading.
- For hygiene use, attach a new probe cover each time and do not touch its tip.

(4) Take your ear temperature

- 1) Press the "⏻" button to power on after placing the probe cover.
- 2) Gently fit the probe snugly into the ear canal.
- 3) Press and release the "🌡️" button in 1 second, the beep is heard, you can now read the value.



- 4) Discard used probe cover into trash by pressing probe cover ejection button.



 The right ear reading may differ from the reading taken at the left ear. Therefore, always take the temperature in the same ear.



Note:

Children under 1 year: Pull the ear straight back.

Children aged 1 year to adult: Pull the ear up and back.

 Do not force the thermometer into the ear canal. Otherwise, the ear canal may get injured.

 When taking the temperature on an adult, gently pull the ear up and back to make sure the ear canal is straight, so that the temperature probe can receive an infrared ray from the eardrum.

 Be careful when taking temperature on a child, whose ear canal is small.

(5) After a measurement

Once the reading has been completed, remove the thermometer away from the ear and observe temperature.

After each measurement, you can enter the recall mode and query earlier temperature readings.

 Do not hold the thermometer for a long time, because it is sensitive to the ambient temperature.

 After each measurement, clean the temperature probe with a soft cloth, and put the thermometer in a dry and well-ventilated place.

 You should wait at least 10 seconds between each measurement.

 It is dangerous to make a self-diagnosis or self-treatment based on the obtained measurement results. For such purposes, please consult a doctor.

(6) Read your temperature

T indicates a temperature reading.

1) In ear mode.

If $89.6^{\circ}\text{F} \leq T \leq 99.5^{\circ}\text{F}$ ($32^{\circ}\text{C} \leq T \leq 37.5^{\circ}\text{C}$), the green backlight will be displayed, with one long beep.

If $99.7^{\circ}\text{F} \leq T \leq 100.4^{\circ}\text{F}$ ($37.6^{\circ}\text{C} \leq T \leq 38.0^{\circ}\text{C}$), the orange backlight will be displayed with 3 short beeps, which is a warning that you may have a low fever.

If $100.6^{\circ}\text{F} \leq T \leq 109.2^{\circ}\text{F}$ ($38.1^{\circ}\text{C} \leq T \leq 42.9^{\circ}\text{C}$), the red backlight will be displayed with 3 short beeps, which is a warning that you may have a high fever.

2) In Adjust mode.

If $32.0^{\circ}\text{F} \leq T \leq 199.0^{\circ}\text{F}$ ($0^{\circ}\text{C} \leq T \leq 100^{\circ}\text{C}$), the white light will be displayed with one long beep.

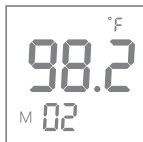
This mode is not for human temperature measurement, for maintenance use only.

(7) Switching between mute and un-mute mode

When the thermometer is turned on, press the "  " button once to switch between un-mute and mute.

(8) Checking 40 sets of memory data

When the thermometer is turned on, press the "  " button to check the 40 sets of memories one by one. If no value, it will display "----".



(9) °C/°F conversion

When the thermometer is turned on, keep pressing the " " button for about 3 seconds to change the °C/°F.

(10) Automatically turn off

Without any operation within 30s, the thermometer will automatically shut off.

To manually power off, press and hold the power button for 3 seconds.



Caution

All memory records will be lost when uninstall or reinstall the battery.

7. Temperature Taking Tips

(1) It is important to know each individual's normal temperature when they are well. This is the only way to accurately diagnose a fever. Record readings twice a day (early morning and late afternoon). Take the average of the two temperatures to calculate normal equivalent temperature. Always measure the same ear, since the temperature of left and right ear may differ.

(2) A child's normal temperature can be as high as 99.9°F (37.7°C) or as low as 97.0°F (36.1°C).

(3) External factors may influence ear temperatures, including when an individual has:

- been lying on one ear or the other
- had their ears covered
- been exposed to very hot or very cold temperatures
- been recently swimming or bathing

In these cases, remove the individual from the situation and wait 20 minutes prior to taking a temperature.

Use the untreated ear if prescription ear drops or other ear medications have been placed in the ear canal.

(4) Holding the thermometer for too long in the hand before taking a measurement can cause the device to warm up. This means the measurement could be incorrect.

(5) Patients and the thermometer should stay in steady-state room condition for at least 30 minutes.

(6) Use an alcohol swab to carefully clean the sensor and wait for 5 minutes before taking a measurement on another patient.

(7) In the following situations it is recommended that 3-5 measurements in the same ear be taken and the highest one taken as the reading:

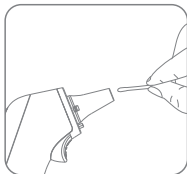
- Children above 3 months and under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.
- When the user is learning how to use the thermometer for the first time until he/she has familiarized himself/herself with the instrument and obtains consistent readings.

8. Care and Cleaning

Use an alcohol swab or cotton swab moistened with 75% medical alcohol to clean the thermometer casing and the measuring probe. After the alcohol has completely dried out, you can take a new measurement.

Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and never immerse the instrument

in water or other cleaning liquids. Take care not to scratch the surface of the LCD screen.



Cleaning and disinfection should be carried out in the following environment, temperature: 59°F ~ 104°F (15 °C ~ 40°C), relative humidity ≤85% RH, non-condensing, atmospheric pressure: 70kPa ~ 106kPa

Dispose:

Dispose of the equipment and batteries when its service life is reached. Follow local regulations regarding the disposal of such product.

9. Maintenance and Storage

Preventive inspection and maintenance cycle

(1) During normal use, a weekly check should be performed to see if the thermometer poses a potential safety hazard, such as whether the lens is broken, whether the outer casing has cracks, and whether the probe is dirty, so as to ensure your usage safety. If there is a safety hazard, please stop using it immediately.

The thermometer should be cleaned once a year if it is not going to be used for an extended period.

(2) After each use, please clean the probe according to the methods mentioned in "Cleaning and Disinfection".

(3) Please keep the thermometer in a dry, well-ventilated, dust-free and pollution-free place without direct sunlight. Ensure the storage and transportation conditions meet the requirements.

(4) Regularly check whether the thermometer poses a safety hazard.

(5) If the thermometer is not going to be used for an extended period (more than 2 months), please remove the batteries and keep the thermometer properly.

(6) We suggest to calibrate the device once a year at least. Please contact manufacturer or agent if you need.

10. Error and Troubleshooting

Symptom	Possible Cause	Description & Solution
Failed to power on	The battery level is too low.	Replace with new batteries.
	Polarities of the batteries are reversed.	Ensure the batteries are in the right position.
	The thermometer is damaged. (the degrade sensors)	Contact dealer.
The reading is too low	The lens of the probe is dirty.	Clean the lens with a cotton swab.
	The distance of the item and target is too far.	Put the probe into the ear canal correctly.
	You have just come from a cold environment.	Stay in a warmer room for at least 30 minutes before taking a measurement.
The reading is too high	You have just come from a hot environment.	Stay in an adequately cool room for at least 30 minutes before taking a measurement.

	The ambient temperature is not in range.	One long beep, and the blue backlight will be displayed. Take a measurement under an ambient temperature between 59°F (15°C) and 104°F (40°C).
	Memory error or calibration is not finished. Item will be turned off automatically after 3 seconds.	One long beep, and blue backlit for 3 seconds. Contact dealer.
	The temperature is above 109.2°F (42.9°C).	One long beep, the screen will be displayed in red.
	The temperature is under 89.6°F (32°C).	One long beep, the screen will be displayed in blue.
	The probe cover is not attached or attached incorrectly. The device can't be used to take a measurement When the missing probe cover are displayed, press the measurement key to report an error Er1	Attach the new probe cover into the probe correctly Shows probe cover missing when backlit in white. In the absence of probe cover , press the measurement key, the buzzer gives a sound, displays Er1, and the backlight is blue
	The power voltage is lower than 2.4V±0.1V	The battery icon will flicker, and the item will be turned off automatically after 3 seconds. Please replace with new batteries

11. Technical Specifications

Product name	ear thermometer
Display	Segment LCD
Temperature units	°C /°F, switchable
Power supply	2x1.5V AA
Measurement range	89.6°F–109.2°F (32.0°C–42.9°C)
Accuracy	±0.2°C/±0.4°F, under the condition 59°F (15°C) < T < 104°F (40°C)
Display resolution	0.1°C / 0.1°F
Automatic shutdown	Within 30s
Anti electronic shock degree	Type BF APPLIED PARTS
Anti electronic shock type	Internal Power Supply
Memory	40 groups of measured temperature
Operational conditions	Temperature: 59°F-104°F (15°C-40°C) Humidity: ≤85% RH, non-condensing Atmospheric pressure: 70-106 kPa
Transportation & storage environment	Ambient Temperature: -4°F-131°F (-20°C-55°C) Relative Humidity: ≤93% RH, non-condensing Atmospheric pressure: 50 kPa-106 kPa
Weight & dimension	74g (without batteries), 152.3x55.6x36mm
Service life	5 years

Essential performance:

Measurement Range: 89.6°F–109.2°F (32.0°C–42.9°C)

Accuracy: ±0.2°C/±0.4°F

Statement:

The clinical accuracy or clinical deviation of the medical infrared frontal thermometer has been clinically verified and can be obtained by contacting the manufacturer.

12. Symbols

Symbol	Description
	Type BF applied part
	Information about a manufacturer
	Refer to instruction manual
	Comply with local regulations about disposal
	Serial number
	Batch number
	Date of manufacture
	Caution
IP22	2 Protected against solid foreign objects of 12,5mm Ø and greater; 2 If keep the thermometer in 15 degree angle, it still can prevent the water drop
	CE marking
	Authorized Representative In The European Community
	Keep away from sunlight
	Fragile, handle with care
	Keep dry
	Vertical upward
RoHs	RoHS mark
	Medical device
	Use-by date
	Importer
	Unique Device Identifier

13. Appendix: EMC Information-Guidance and Manufacturer's Declarations

CAUTION:

The Ear Thermometer needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided for in the ACCOMPANYING DOCUMENTS.

- Don't near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- Guidance and manufacturer's declaration - electromagnetic emission - for all EQUIPMENT AND SYSTEMS.

Notice

If users or patients have occurred any serious incident that relation to the device, please report to manufacturer and the competent authority of the Member State in which you are established.

Electromagnetic Emissions

Guidance and manufacturer's statement - Electromagnetic emission	
The Ear Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the Ear Thermometer should assure that it is used in such an environment.	
Emission test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Not applicable
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable

Electromagnetic Immunity

Guidance and manufacturer's declaration - Electromagnetic Immunity		
The Ear Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the Ear Thermometer should assure that it is used in such an environment.		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	+8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kVair	+8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kVair
Electrical fast transient/burst IEC 61000-4-4	Not applicable	Not applicable
Surge IEC 61000-4-5	Not applicable	Not applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz

Conducted RF IEC61000-4-6	Not applicable	Not applicable
Radiated RF IEC61000-4-3	10V/m 80MHz-2,7GHz 80%AM at 1kHz	10V/m 80MHz-27GHz 80%AM at 1kHz
NOTE UT is the a.c. mains voltage prior to application of the test level		

Electromagnetic Immunity

Guidance and manufacturer's declaration - Electromagnetic Immunity								
The Ear Thermometer is intended for use in the electromagnetic environment specified below. The customer of the user of the Ear Thermometer should assure that it is used in such an environment.								
Radiated RF IEC 61000-4-3 (Test specifications for ENCLOSURE-PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	400	430-470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	2	0.3	28	28
	710	704-787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9	9
	745							
	780							
	810	800-960	GSM 800/900, TETRA 800, DEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	870							
	930							
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	28	28	1720	1700 - 1990
	1845						1845	
	1970						1970	

	2450	2400–2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	28	28	2450	2400 – 2570
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Guidance and manufacturer's declaration - electromagnetic Immunity				
Immunity Test	Test Frequency	Modulation	IEC 60601-1-2 Test Level (A/m)	Compliance level (A/m)
Radiated RF IEC 61000-4-39 (Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields)	30 kHz	CW	8	8
	134.2 kHz	Pulse modulation 2.1 kHz	65	65
	13.56 kHz	Pulse modulation 50 kHz	7.5	7.5

14. Warranty and After-Sale Service

The device is under warranty for 12 months from the date of purchase.

The batteries, the packaging, and any damage caused by improper use are not covered by the warranty.

Excluding the following user-caused failures:

- 1) Failure resulting from unauthorized disassembly and modification.
- 2) Failure resulting from an unexpected dropping during application or transportation.
- 3) Failure resulting from not following the instructions in the operating manual.



Shenzhen AOJ Medical Technology Co., Ltd.

Room 301&4F, Block A, Building A, Jingfa
Intelligent Manufacturing Park, Xiaweyuan, Gushu
Community, Xixiang Street, Bao'an District, 518126
Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Made in China

Share Info Ltd



3rd Floor, Office C, Townend House, Park
Street, Walsall, West Midlands, WS1 1NS,
United Kingdom
Tel: 0044 7957 186 609
E-Mail: uk-rep@share-info.com

Share Info GmbH



Am Schulzentrum 12, 41564 Kaarst, Germany
Tel: 0049 179 5666 508
E-mail: EU-Rep@share-info.com



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