Bercom®

PREHEAT EAR THERMOMETER

ET101 ET102 ET103

Instruction Manual

⚠ **NOTE:**
You must read this instruction manual completely before use and follow all instructions. Keep the instructions for later use. You must check the device functions according to this instruction manual prior to each use and only use this device if it is in proper working condition.

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The Manufacturer Reserves The Rights Alter The Specifications Of Theproduct Without Prior Notification.

I. Intended Use

Ear thermometer is intended to measure ear temperature of people of all ages. It can be used by consumers in household environment and doctor in clinic as reference.

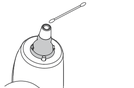
II. ⚠Warnings And Precautions

- Only use this ear thermometer once you have read and understood the instruction for use.
- Only use this ear thermometer for the specific purpose described in the instruction manual. Any misuse will void the warranty.
- This ear thermometer may be used for professional purposes or for personal home use.
- Using this ear thermometer is no substitute for consulting a doctor. Do not self-diagnose or self-medicate on the basis of the measurements and consulting your doctor. In

particular, do not start taking any new medication or change the type and/or dosage of any existing medication without prior approval.
- This ear thermometer must be operated by adults, ensure that children do not use this device unsupervised; some parts are small enough to be a choking hazard or be swallowed.
- If this thermometer is stored condition that is out of its using condition, please put it in operation place for at least 30 minutes before taking the measurement.
- When the subject enters a warm room from a cold outdoor environment and wets their ears by swimming or bathing, the ear canal temperature will temporarily be lower than the actual temperature. Please wait for 30 minutes before taking the measurement.
- When the subject's ears are covered by heat due to sleeping on their side, wearing headphones or hearing aids, or long hair covering, the ear canal temperature will temporarily be higher than the actual temperature. Please wait for 30 minutes before taking the measurement.
- The readings of the left and right ears may differ. When observing changes in body temperature, it is recommended to collect the temperature of the same ear.
- The measurement may result in measurement bias when the subject takes medication that may increase or decrease body temperature.
- The subject may experience temperature fluctuations after engaging in activities such as intense exercise, crying, and eating. It is recommended to maintain a quiet state for at least 30 minutes before the measurement.
- Different types and brands of temperature measurement products do not have comparative value. It is recommended that you use the same temperature measurement product for multiple frequency observations when observing body temperature, in order to better grasp changes in body temperature.
- People with ear diseases such as otitis externa and otitis media should not use the ear thermometer.
- It is recommended to measure about 3 times during measurement, with a time interval of 12s or more than 12s between each measurement, recommend the maximum temperature as measurement temperature.
- Please check the battery level before use, as low battery voltage may result in inaccurate measurement results.
- If you find that this product cannot achieve the claimed performance or if there is a change in product performance, please stop using it immediately and contact the manufac-

turer for assistance in time.
- To ensure an accurate measurement, this thermometer must only be used indoors when the ambient temperature range is between 10℃(50℉) and 40℃ (104℉) .
- Before measurement, please ensure that the probe is free from small foreign objects (such as earwax, dandruff, droplets, dust, etc.). After measurement, please place it in a storage box to protect the probe from dirt or damage.
- When there is a lot of earwax in the ear canal of the subject (especially young children), please clean the ear canal before taking the measurement to avoid affecting the accuracy.
- The probe lens is the most vulnerable part of this product, so it must be carefully protected. Please do not touch or blow the probe with your hands. After measuring, please place the product in the storage box.
- Before use, confirm whether the probe lens is dirty. If it is dirty, clean it according to the following steps, otherwise it may cause measurement errors:
  (1) Gently wipe the probe with a cotton swab or soft cloth dipped in 75% alcohol.
  (2) Dry and let the device stand for 30 minutes before use.

Note: Do not use toilet paper or tissue to wipe.



- Please keep this ear thermometer out of reach of children. Forceful measurement by children may cause ear injury. If the battery is accidentally swallowed, please contact a doctor immediately.
- Please store the ear thermometer according to its storage conditions to avoid usage issues and measurement errors. Please do not forcefully collide, fall, step on, or shake this product to avoid product malfunction or measurement deviation.

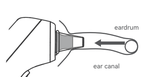
- This ear thermometer should not be immersed in water or directly exposed to sunlight to avoid product malfunctions.
- This ear thermometer must be kept dry and clean.
- Please do not place this ear thermometer in an area with electric shock to avoid product malfunction.
- If any problems are found, please contact customer service and do not attempt to repair this product on your own. If the original components are replaced with parts not provided by the manufacturer, it may cause measurement errors.
- This ear thermometer is a measuring product. It is recommended to check the accuracy of the device with a manufacturer or a qualified third-party organization at a one-year interval.
- Please dispose of the waste and residue at the end of the product's service life in accordance with local laws and regulations.
- This ear thermometer expected service life is 5 years.
- Please use BERRCOM exclusive disposable probe cover (model: PC001). If you use other brand's probe cover, it may result in inaccurate measurement. To purchase the disposable probe cover, please contact your agent or BERRCOM directly.
- Do not use accessories, materials, etc. that are not specified in this manual. Using accessories that are not provided or specified by the manufacturer may result in the product not achieving its intended use.
- Before and after each use, the thermometer should be cleaned according to the requirement of this manual to avoid possible bacterial infections.
- Do not expose this thermometer to extreme temperature conditions of higher than 55℃(131℉) or lower than -20℃ (-4℉) .
- Do not use this thermometer in relative humidity higher than 85%RH.
- Do not put this ear thermometer in the place with direct sunlight, high temperature, high humidity, excessive dust, or the place where it may contact with corrosive gas or liquid, and do not use this product in the above environment.
- Do not open up this thermometer. It contains small parts which might be swallowed by children.
- Remove the batteries if you do not wish to use the unit for an extended period of time. Otherwise there is a danger that the batteries may leak.
- Keep the thermometer away from electromagnetic fields produced by objects such as microwave ovens, arc welders or induction heaters.

III. Principle Of Operation Of Ear Thermometer

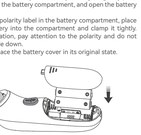
All objects, solid, liquid or gas, emit energy by radiation. The intensity of this energy depends on the temperature of the object. The ear thermometer is therefore able to measure the temperature of a person by the energy the person emits from ear canal. The infrared sensor located at the front end of the device collects the infrared radiation emitted from the ear canal. The sensor converts the received infrared into electrical signals and transmits them to the device chip. The device chip calculates the human body temperature based on the intensity and frequency of the infrared signal received by the infrared sensor.
The goal of thermometry is to measure core body temperature which is the temperature of the vital organs. Clinical studies showed that the ear is an excellent site of temperature measurement because the temperature taken in ear can sooner and accurately reflect core body temperature's changes[1].

Note: The reference body temperature for the ear thermometer is oral temperature.

1. Guyton A C. Textbook of medical physiology, W.B. Saunders, Philadelphia, 1996, p919;

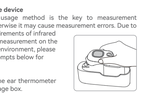


IV. Product Description



① Probe cover (20 pcs/box)
② Storage box
③ Temperature sensing probe
④ Probe cover detector
⑤ Switch/Measure button
⑥ Battery cover
⑦ Display screen
⑧ Age selection button
⑨ Memory button

Symbols interpretation:



V. How To Use The Ear Thermometer

1.Install/replace batteries
Battery installation/replacing method is as follows:

1) Hold down the battery cover with your fingers, gently push down to open the battery compartment, and open the battery cover.
2) Follow the polarity label in the battery compartment, place the new battery into the compartment and change it tightly. During installation, pay attention to the polarity and do not install it upside down.
3) Finally, replace the battery cover in its original state.

2.Operate the device
The correct usage method is the key to measurement accuracy, otherwise it may cause measurement errors. Due to the high requirements of infrared temperature measurement on the surrounding environment, please follow the prompts below for operation.

① Take out the ear thermometer from the storage box.

② Power on and self checking
Press the "Switch/Measure" button, the ear thermometer will turn on and start self checking with a beep sound. During self inspection, the screen displays three full color icons. If the following situations exist, measurement cannot be supported:
1). Operating environment temperature too low or too high: Err is displayed on the screen.
2). Low battery: The low battery icon on the screen " " flashes to indicate.
If the probe cover icon " " scrolls

flashes, it reminds you to put on the probe cover.
To obtain accurate readings, clean and new disposable probe cover should be installed before each measurement.
Insert the ear thermometer probe into the probe cover box, then pull it out to fit the new probe cover.
Attention: If disposable probe cover is not installed, the ear thermometer will not operate.
Attention: If the top of the disposable probe cover is found to be damaged, they need to be replaced with new probe cover.

③ Select age groups
Press the age selection button" " to select the age range of the tested object for temperature measurement. Press the button to switch age groups.
Note: This product defaults to the age range of the last temperature measurement. If the age group of the temperature measurement object is different from the age group of the last temperature measurement object, the age group needs to be selected.

④ Probe preheating
This product uses preheating temperature measurement technology. Studies have shown that preheating the ear thermometer for temperature measurement can avoid cooling effects, improve temperature measurement accuracy and comfort.
When the display screen shows "00.0", it indicates that the preheating is completed and enters the test state.

⑤After inserting the probe into the ear canal and aligning it with the eardrum, short press the "switch/measure" button to measure the temperature. During the temperature measurement process, the screen scrolls to display " ℃", " ℃" and " ℃".

When the buzzer beeps, it indicates that the temperature measurement is completed and the temperature value is displayed on the display screen.
The screens and sound prompts for different temperature values are as follows:

Symbol	Age Groups	White backlight (1 beep) (Normal temperature)	Orange backlight (2 beeps (Moderate fever)	Red backlight (High fever)
	0 ~ 3 months	35.8℃≤ T≤ 37.4℃	/	T >37.4℃
	3 ~ 36 months	35.4℃≤ T≤ 37.4℃	37.4℃< T≤38.5℃	T >38.5℃
	Above 36 months	35.4℃≤ T≤ 37.7℃	37.7℃< T≤39.4℃	T >39.4℃

Attention: The temperature value from the last temperature measurement is displayed in the lower right corner of the display screen, making it easier to compare changes in body temperature.
Reference:Herzog L,Phillips S.Addressing Concerns About Fever Clinical Pediatrics 2011 50(5) 383-390
Below the temperature measurement range (T<34.0 ℃): Display LO, red backlight, 1 beep;
Above the temperature measurement range (T>43.0 ℃): Display Hi, red backlight, 1 beep.

⑥If you need to take the next temperature measurement, please remove the used probe cover and replace the new one and repeat step ③.

⑦If there is no operation for about 60 seconds after the temperature measurement is completed, the ear thermometer will automatically shut down. You can also press and hold the "Switch/Measure" button for about 5 seconds to turn off the device. When the device is turned off, the display screen will flash OFF for a short time and then turn off.

Notice: The above steps are for use in beep mode. If the ear thermometer is in mute mode, the beep will turn off, there will be mute icon " " on the screen, and other prompts will keep the same.

Attention: When measuring, the ear thermometer sensor should be inserted into the ear canal and aligned with the eardrum. Otherwise, the measured temperature will be lower than the actual temperature.

The method of straightening the ear canal:
When measuring temperature, please fix the head of the subject, gently pull the auricle, and horizontally insert the probe into the ear canal and align it with the eardrum to fully fill the ear canal. Specifically, the method of straightening the ear canal is as follows:

For children under 1 year old: gently pull the auricle outward and backward to keep the ear canal as straight as possible.

Children over 1 year old and adults: gently pull the auricle outward and upward to keep it as straight as possible.

VI. Setting Of The Ear Thermometer

This product can modify default settings parameters. Factory settings have been made for different sales markets before leaving the factory. It is recommended not to modify the factory default values. If modification is necessary, please follow the steps below.

Beep/mute mode
This product can be set to "beep mode" and "mute mode".
(Factory default is beep mode)
Setting method:
In standby mode, press and hold "Memory" button for 5 seconds, then enter beep/mute mode. And keep to hold the "Memory" button, the screen will display two modes of with or without mute symbol " ". In sequence, each mode will display about 3 seconds. Release the button when your desired mode is displayed, then the save the mode and return to standby mode.
Attention:
1. After each restart, the product is in beep mode;
2. When the device is turned on without wearing probe cover, beep/mute mode conversion cannot be performed.

Unit conversion
This product can be set to Fahrenheit (° F) and Celsius (° C).
(Factory default is Celsius)
Setting method:
In standby mode, press and hold the "Age selection" button for 5 seconds, and the screen will display " C" and " F" in sequence until the desired unit is displayed. Release the "Age selection" button to complete the unit conversion and return to full display standby mode.
Attention:
1. Maintain the settings before shutting down after each restart;
2. When the device is turned on without wearing probe cover, unit conversion cannot be performed.

Memory query
This ear thermometer can remember the last 32 sets of body temperature readings, making it easy to query historical temperature data.
Setting method:
In standby mode, press the "Memory" button to enter memory mode. In memory mode, pressing the "Memory" button, the screen will display "M" and memory number, release the button, the screen will display temperature data of the

memory number. Note:The first set of data displayed is the most recent temperature measurement data, while the other 31 sets of data are displayed in order of temperature measurement from near to far. In memory mode, if no any operation within 5 seconds, the device will return to standby mode automatically.

Over temperature warning function
If the measured body temperature is higher than the set value, the ear thermometer will have different beeps and backlight prompts.

VII. Technical Specifications

Operational principle	Infrared radiation detection
Mode of operation	Adjusted mode
Measurement reference body site	Oral
Patient population	People of all ages
RX/OTC Use	OTC
Measurement site	Ear
Measuring range	34.0℃~43.0℃ (93.2℉~109.4℉)
Accuracy	34.0℃~ 34.9℃(93.2℉~94.8℉): ±0.3℃(±0.6℉) 35.0℃~ 42.0℃(95℉~107.6℉): ±0.2℃(±0.4℉) 42.1℃~ 43.0℃(107.8℉~109.4℉): ±0.3℃(±0.6℉)
Clinical repeatability	≤ ±0.2℃/0.4℉
Batteries	DC 3V (2pcs AA dry batteries)
Measurement time	Approx. 3.5 seconds
Display mode	LCD screen
Display resolution	0.1℃ (0.1℉)
Automatic power-off	Approx. 60±10 seconds
Memory	32 sets

Audible Indicator	Yes
Use of Probe Covers	Yes
Unit size	Approx. 146×37×37mm (L x W x H)
Unit weight (include battery)	Approx. 133g (Without storage box)
Expected Service Life	5 years
Applied part	Sensor; Type BF
IP Class	IP22
Normal using condition	Ambient temperature:10℃~40℃(50℉~104℉) Relative humidity: ≤85%RH Pressure altitude: 700hPa~1060hPa
Storage and shipping condition	Ambient temperature :-20℃~55℃(-4℉~131℉) Relative humidity: ≤95%RH Pressure altitude: 700hPa to 1060hPa
Essential Performance	1.In normal using condition 10℃~40℃ (50℉~104℉), LABORATORY ACCURACY meet: 34.0℃~ 34.9℃(93.2℉~94.8℉): ±0.3℃(±0.6℉) 35.0℃~ 42.0℃(95℉~107.6℉): ±0.2℃(±0.4℉) 42.1℃~ 43.0℃(107.8℉~109.4℉): ±0.3℃(±0.6℉) 2.OUTPUT TEMPERATURE Display "Hi" when measuring temperature above 43.0℃ (109.4℉) and display "Lo" when measuring temperature lower than 34.0℃ (93.2℉).

VIII. Batteries

1. Batteries using attention
1). The product uses two AA batteries.
2). When the battery symbol " " appears on the screen and flashes, it indicates that the battery is low and needs to be replaced. theoretically it can be used continuously for about 300 times (test conditions: temperature 23℃, relative humidity of 65%RH, starting from power on, self-check, measurement, and automatic shutdown). When the low battery icon on the screen flashes " ", it indicates that the battery is low and needs to be replaced.
3). If the ambient temperature is low, it will shorten the battery life.
4). When using batteries other than alkaline batteries, the usage frequency may be very short, so it is recommended to use alkaline batteries.
5). The voltage of the rechargeable battery is unstable and can affect measurement. It is recommended not to use it.
6). When not in use for a long time, it is recommended to remove the battery to avoid battery leakage and damage to the product.

2. Disposing of batteries
To protect environment, dispose of empty batteries at appropriate collection sites according to national or local regulations.

⚠ Notes on handling batteries
- If your skin or eyes come into contact with battery fluid, rinse the affected area with water and seek medical assistance.

⚠ Chocking hazard!
Small children may swallow and choke on batteries. Store batteries out of the reach of small children.
- If a battery has leaked, put on protective gloves and clean the battery compartment with a dry cloth.
- Protect batteries form excessive heat.

⚠ Risk of explosion! Do not throw batteries into a fire.
- Use identical or equivalent battery types only.
- Always replace all batteries at the same time.
- Do not use rechargeable batteries.
- Do not disassemble, split or crush the batteries.

IX. Included In Delivery

Ear Thermometer	1pc	Quick Reference Guide	1pc
Instruction Manual	1pc	Probe Cover	20pcs(1 box)

X. Maintainance Of The Product

The ear thermometer is a multi-patient reusable device, and the cleaning and disinfection instructions were validated, please follow the instructions to cleaning/disinfect your thermometer prior to use.

Cleaning:
1) Use a cotton swab moistened with hot water or neutral detergent to throughout cleaning the casing of thermometer and measuring probe to removal of stain or oil.
2) Visual inspection the thermometer after cleaning process, ensure there is no soil or stain is seen. if the device is determined not to be visually clean at the end of the cleaning step, you should either repeat the relevant previous cleaning steps or safely dispose of the device, so that a visibly soiled device is not used again.

Disinfection:
1) Use a 75% ethyl alcohol swab or cotton swab moistened with 75% ethyl alcohol to disinfect the thermometer casing and the measuring probe about 30 seconds.
2) Repeat the above steps at least 3 times, then wipe surface and probe dry with a clean cloth, and wait about 1 minute for drying after disinfection process.

Note:
- Ensure that no liquid enters the interior of the thermometer.
- Never use abrasive cleaning agents, thinners or benzene for cleaning and never immerse the Thermometer in water or other cleaning liquids.
- Take care not to scratch the surface of the probe lens and the display.
- If the visual inspection identifies unacceptable deterioration such as corrosion, discoloration, pitting, cracked, then the device should be stop to use and discard.
- If the thermometer is been used for between patients, please visually inspect the thermometer to determine if there is stain or oil on the casing or probe after each use, and follow the instruction of cleaning and disinfection to cleaning your thermometer.

XI. Troubleshooting

If you have problems while using your thermometer, please refer to this guide to help resolve the problem. If the problem persists, please contact our customer service.

Screen message	Description	Possible causes	Solutions
	No display	1. System error; 2. The battery is completely power off	1. Turn off and then restart; 2. Remove the battery and replace it or replace the new battery; 3. Please contact your local dealer or customer service.
	Battery symbol flashing, use not measure temperature	The current battery level is too low to perform temperature measurement	Replace new batteries.
	Battery symbol flashing, but battery level flashing.	The current battery level is to low, but still operate correctly	Suggest replacing new batteries as soon as possible.
	Probe cover symbol flicker in an alternated style	1. Not installing probe cover; 2. The probe cover detector damaged; 3. Not installed	1. Install probe cover; 2. Remove the probe cover and reinstall.
Err1	Display Err1	The current ambient temperature is too low or too high, the device is not within the operating range specified in the manual and cannot be measured.	Place the product at normal room temperature(10℃~40 ℃) or wait for a period of time.
Hi	Display"Hi" or"Lo"	1.The measured temperature exceeds the measurement range (34.0℃ to 43.0℃); 2.Unable to collect stable temperature due to environmental temperature changes too quickly and the product has not yet reached a stable state.	1. Check if the probe lens is dirty. Please clean the probe lens and operate again. 2. Please ask the subject to maintain a stable posture and measure temperature using the correct operating method. 3. Place the product at normal room temperature (10℃ to 40℃) and wait for 30 minutes.
LO			

Attention: If the above measures still cannot solve the problem, please contact customer service.

XII. Signs And Symbols

Symbol	Description of symbol
	Indicates the need for the user to consult the instructions for use for crucial cautionary information such as warnings and precautions that can not, for a variety of reasons, be presented on the medical device itself.
	Please read the instructions carefully.
	Applied part, Type BF
IP22	Degree of protection against harmful ingress of water and particulate matter 2 Protected against solid foreign objects of 12.5mm Ø and greater 2 Protection against vertically falling water drops when ENCLOSURE tilted up to 15°
	DISPOSAL: Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary
0123	The CE labelling certifies that the product complies with the essential requirements of EU regulations on medical device.
EC REP	Symbol of European Authorized Representative, expressly indicate the name and address of European Authorized Representative after the symbol.

Symbol	Description of symbol	Symbol	Description of symbol
	Trade mark		Date of manufacture
	Direct current	#	Model number
	Manufacturer		Made in China
SN	Serial number	UDI	Unique device identifier
	Importer	MD	Medical device
Lot	Lot for Probe Cover		Use-by date

XIII. EMC Declaration

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare and clinic environments.

Statement: The ear thermometer model ET101,ET102,ET103 was tested according to the recommendations of Technical Report IEC TR 60601-4-2: Medical electrical equipment – Part 4-2: Guidance and interpretation – Electromagnetic immunity; performance of medical electrical equipment and medical electrical systems.

Warning: 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.

Warning: 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.

Warning: 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."

Warning: 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 ET101,ET102,ET103, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
1 , All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to electromagnetic disturbances for the excepted service life.
Portable and mobile RF communication equipment may affect the performance of the ET101,ET102,ET103, avoiding strong electromagnetic interference when used, such as near mobile phones, microwave ovens, etc.
2, Guidance and manufacturer's declaration -electromagnetic emissions and immunity

Guidance and manufacturer's declaration - electromagnetic emissions and Immunity

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions

Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Group B
Harmonic emissions IEC 61000-3-2	Not applicable
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable

Table 2

Guidance and manufacturer's declaration - electromagnetic Immunity

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 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
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	10 V/m 80 MHz ~ 2.7 GHz 80 % AM at 2 Hz	10 V/m 80 MHz ~ 2.7 GHz 80 % AM at 2 Hz

NOTE U- is the a.c. mains voltage prior to application of the test level.

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity

Test Frequency (MHz)	Band (MHz)	Service	Modulation	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
Radiated RF IEC61000-4-3 Test specifications for ENCLOSURE PORT (for wireless communications equipment)	385	380 ~390	TETRA 400	Pulse modulation 18 Hz	27	27
	450	430 ~470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	28	28
	710	704 ~787	LTE Band 13, 17	Pulse modulation 217 Hz	9	9
	745					
	780					
	810	800 ~960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	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
	1845					
	1970					
	2450	2400 ~2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	28	28
	5240	5100 ~5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	9	9
	5500					
	5785					

Table 4

Guidance and manufacturer's declaration - electromagnetic Immunity

Radiated RF IEC61000-4-39 Test specifications for ENCLOSURE PORT (HEALTHCARE PROPERTY to prevents magnetic fields)	Test Frequency	Modulation	IEC 60601-1-2 Test Level (A/m)	Compliance level (A/m)
	30 kHz	CW	8	8
	134.2 kHz	Pulse modulation 2.1 kHz	65	65
	13.56 MHz	Pulse modulation 50 kHz	7.5	7.5

XIV. Warranty/service

In accordance with our policy of continual product improvement, we reserve the right to make technical and optical changes without notice.
Warranty and repair terms
Warranty: 18 months.
Please contact your dealer or the service center in case of a claim under the warranty. If you have to return the unit, please enclose a copy of your receipt and state what the defect is.
The following warranty terms apply:
1. The warranty period for BERRCOM products is 18 months from date of purchase. In case of a warranty claim, the date of purchase has to be proven by means of the sales receipt or invoice.
2. Defects in material or workmanship will be removed free of charge within the warranty period.
3. Repairs under warranty do not extend the warranty period either for the unit or for the replacement parts.
4. The following is excluded under the warranty:
a. All damage which has arisen due to improper treatment, e.g. nonobservance of the user instructions.
b. All damage which is due to repairs or tampering by the customer or unauthorised third parties.
c. Damage which has arisen during transport from the manufacturer to the consumer or during transport to the service centre.
d. Accessories which are subject to normal wear and tear.
5. Liability for direct or indirect consequential losses caused by the unit are excluded even if the damage to the unit is accepted as a warranty claim.

- GUANGZHOU BERCOMM MEDICAL DEVICE CO., LTD EXPRESSLY DISCLAIMS ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- UNDER ON CIRCUMSTANCES SHALL BERRCOM HAVE ANY OBLIGATION OR LIABILITY FOR ANY LOSS OF PROFIT OR FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, OR CONTINGENT DAMAGES WHATSOEVER WITH RESPECT TO CLAIMS MADE BY ANY CUSTOMER, CONSUMER OR OTHER USER OF BERRCOM PRODUCTS.

IN THE EVENT THAT ANY APPLICABLE LAWS IMPOSE WARRANTIES, CONDITIONS, OR OBLIGATIONS THAT CANNOT BE EXCLUDED OR MODIFIED, THIS PARAGRAPH SHALL APPLY TO THE GREATEST EXTENT ALLOWED BY SUCH LAWS.

Disposal
⚠It is required that you should not dispose of WEEE as unsorted municipal waste and collect such WEEE separately.

In accordance with Directive 2012/19/EU and national disposal regulations regarding old electrical and electronic devices, please be advised that such items must be disposed of in a special way within the European Union (EU).
These regulations require the environmentally friendly recycling/disposal of old electrical and electronic devices. Such items must not be disposed of as domestic refuse. This has been expressed using the icon of the "crossed out trash can".

The ear thermometer (Model: ET101,ET102,ET103) contains batteries and recyclable electronic waste. To protect the environment do not dispose of it in household waste as unsorted municipal waste, but collect separately and take it to an appropriate local collection center.

The ear thermometer (Model:ET101,ET102,ET103) is classified as small equipment (5th category) according to ANNEX IV of Directive 2012/19/EU.
Before disposing of your ear thermometer (Model: ET101,ET102,ET103), please take away the batteries from ear thermometer (Model: ET101,ET102,ET103) and dispose of the batteries and ear thermometer (Model: ET101,ET102,ET103) separately.
You can take away the batteries as follows:
① – Battery remove diagram
① Open the lid on the back of the device
② Remove the batteries.

Batteries represent a hazard to health and the environment! Never open, damage, or swallow batteries or allow them to pollute the environment. They may contain toxic, ecologically hazardous heavy metals. The removed batteries shall be disposed of at the point of sale or in the corresponding containers provided at collection points by local public waste authorities and treated according to 2006/66/EC.
The batteries and recyclable electronic waste shall be disposed of in a separate waste container.
Packaging materials must be disposed of according to local regulations. Consult the authorized collection points for more information.

In Germany
For the recyclable electronic waste disposal, you can search the authorized collection points at the following website:
https://www.ear-system.de/ear-verzeichnis/sammel-und-ruecknahmestellen
For batteries, you can search the authorized collection points at the following website:
https://www.ear-system.de/ear-verzeichnis/batteriesteller#-no-back
Search method: using your postcode or the name of the city and state where you live to find collection points near you.

Other countries
For country-specific information on disposal, contact your local dealers or importer.

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