



PREHEAT EAR THERMOMETER

ET106 ET107 ET108

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 function 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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I. Intended Use

Ear thermometer is intended to measure ear temperature of people of all ages. It can be used in 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 without consulting your doctor. In

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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 use 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.

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 comparable 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 affect the measurement.

Please store the ear thermometer according to its storage conditions to avoid usage issues and measurement errors.

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 manufacturer.

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The Manufacturer Reserves The Right to Alter The Specifications Of The Product Without Prior Notification.

III. Principle Of Operation Of Ear Thermometer

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.

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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 malfunctions.

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.

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 clean the probe lens with a cotton swab or soft cloth.

This ear thermometer is a measuring product. It is recommended to check the accuracy of the product 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 measurements. To purchase the disposable probe cover, please contact your agent or BERRCOM directly.

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;

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All objects, solid, liquid or gas, emit energy by radiation. The greater this energy depends on the temperature of the object. The ear thermometer is able to receive the temperature of a person by the energy that 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. The temperatures of the vital organs. Clinical studies showed that the ear is an excellent site of temperature measurement because the temperatures taken in ear can be more accurate than rectal.

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When the probe lens is dirty, it is recommended to 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.

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

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