

beurer

FT 58



EN Ear thermometer
Instructions for use 2

CE 0483



Read these instructions for use carefully and keep them for later use, be sure to make them accessible to other users and observe the information they contain.

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1. INCLUDED IN DELIVERY

Check that the exterior of the cardboard delivery packaging is intact and make sure that all contents are present. Before use, ensure that there is no visible damage to the device or accessories and that all packaging material has been removed. If you have any doubts, do not use the device and contact your retailer or the specified Customer Service address.

- 1 x ear thermometer
- 2 x 1.5 V AAA batteries
- 10 x protective caps
- 1 x set of instructions for use

Subsequent purchase articles

Protective cap set replacement available: 2 x 10 protective caps, item no. 795.34

2. SIGNS AND SYMBOLS

The following symbols are used on the device, in these instructions for use, on the packaging and on the type plate for the device:

WARNING

Indicates a potentially impending danger. If it is not avoided, there is a risk of death or serious injury.

⚠ CAUTION

Indicates a potentially impending danger. If it is not avoided, slight or minor injuries may result.

NOTICE

Indicates a potentially harmful situation. If it is not avoided, the device or something in its vicinity may be damaged.



Product information

Note on important information



Observe the instructions

Read the instructions before starting work and/or operating devices or machines



Type BF applied part



The electronic device must not be disposed of with household waste



Do not dispose of batteries containing hazardous substances with household waste



CE labelling

This product satisfies the requirements of the applicable European and national directives.



Atmospheric pressure limitation



Temperature limit



Manufacturer



Device protected against foreign objects ≥ 12.5 mm and against water dripping at an angle



Marking to identify the packaging material.
A = Material code, B = Material number:
1-7 = Plastics, 20-22 = Paper and cardboard



Serial number



Separate the product and packaging elements and dispose of them in accordance with local regulations.



Swiss authorised representative



Importer

3. INTENDED USE

The ear thermometer is intended for measuring the body temperature in the ear. Do not use the ear thermometer for measurements in other parts of the body.

You can also use the ear thermometer to measure room and object temperatures.

The ear thermometer has been carefully developed for precise, safe and rapid temperature measurements in the ear. It is a non-invasive

ear thermometer with an infra-red detector to determine the body temperature in the auditory canal of adults and children.

Use the device for the intended purpose only and in the manner specified in these instructions for use. Any form of improper use can be dangerous. The manufacturer is not liable for damage resulting from improper or careless use.

This device complies with the EU Directive 93/42/EEC concerning medical products, the Medizinproduktegesetz (German Medical Devices Act), the ASTM (American Society for Testing and Materials) E 1965-98 and the European Standard EN 12470-5: Clinical thermometers – Part 5: Requirements for infrared ear thermometers (with maximum device) and the European Standard EN 60601-1-2 (in accordance with CISPR 11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-8), and is subject to particular precautions with regard to electromagnetic compatibility.

Please note that portable and mobile HF communication systems may interfere with this device.

4. NOTES

Safety notes

WARNING

- To measure temperature, insert the sensor tip of the ear thermometer carefully into the ear.
- Use of the ear thermometer on different persons can be inappropriate in the event of certain acute infectious diseases because of the possible spread of germs despite cleaning and disinfection. If you have any doubts, please consult your doctor.
- The body temperature measured in the ear may differ from other measurements taken in the mouth, rectum or armpits. Any comparison of these values is therefore futile. Measure temperature regularly to calculate the normal ear temperature and then use

these measurements as a basis for comparison when taking measurements in the event of a suspected high temperature.

- This ear thermometer is intended for measuring the temperature in the ear. Do not use this ear thermometer for measurements in other parts of the body.
- Replace the protective cap after each use to ensure an accurate measurement and prevent cross-contamination.
- The ear thermometer may only be used with protective caps from Sanitas; other protective caps may result in faulty measurements. If you have run out of protective caps, contact the manufacturer or retailer for replacements.
- Consult a doctor if you believe your medical condition to be poor.

Notes on handling batteries

WARNING

- **Risk of explosion! Risk of fire!** Failure to comply with the following points can result in personal injury or cause overheating, leakage, venting, breakage, explosion, or fire on the battery.
- This device contains non-rechargeable batteries which must not be charged.
- Do not throw batteries into a fire.
- Never charge, forcibly discharge, heat, disassemble, open, crush, deform, encapsulate, or modify batteries.
- Never short-circuit batteries or battery compartment contacts.
- Protect the batteries from direct sunlight, rain, heat, and water.
- Exposure of batteries to an environment with extremely high temperatures or an extremely low air pressure may result in explosion or leakage of flammable liquids and gases.
- Dispose of defective and discharged batteries immediately and properly (see chapter on disposal).

- Do not use modified or damaged batteries.
- Always select the correct battery type.
- Always insert the batteries correctly, taking into account the polarity (+ / -).
- Never mix batteries of different manufacturers, capacities (new and used), size, or type within a device.
- If a battery has leaked, put on protective gloves and clean the battery compartment with a dry cloth.
- If fluid from a battery comes into contact with your skin or eyes, wash the affected areas with water and seek medical assistance.
- **Choking hazard!** Keep batteries out of the reach of children. Seek medical attention immediately if swallowed. Swallowing them may cause burns, severe internal injuries, and death.
- Never allow children to replace batteries without adult supervision.

⚠ CAUTION

- Store batteries in a well-ventilated, dry, and cool place in a non-conductive container in which the batteries cannot be short-circuited to each other or by other metal objects.
- Keep batteries clean and dry.
- Keep batteries away from water.
- If the device is not going to be used for a long period of time, remove the batteries from the battery compartment.

NOTICE

- Do not use rechargeable batteries.

Risks to the device

⚠ CAUTION

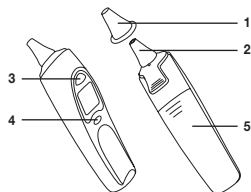
- Do not subject the device to mechanical impacts.


- Do not expose the device to direct sunlight.
- Do not expose the device to liquids. The device is not waterproof. Avoid all direct contact with water or other liquids.
- Have the device repaired by authorised service centres only, otherwise its warranty is invalidated.
- Portable and mobile HF communication systems may interfere with this device. More details can be requested from the stated Customer Services address or found at the end of the instructions for use.

NOTES ON ELECTROMAGNETIC COMPATIBILITY

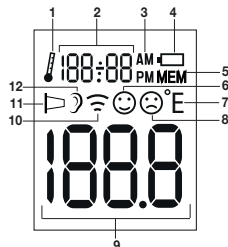
- The device is suitable for use in all environments listed in these instructions for use, including domestic environments.
- The use of the device may be limited in the presence of electromagnetic disturbances. This could result in issues such as error messages or the failure of the display/device.
- Avoid using this device directly next to other devices or stacked on top of other devices, as this could lead to faulty operation. If, however, it is necessary to use the device in the manner stated, this device as well as the other devices must be monitored to ensure they are working properly.
- The use of accessories other than those specified or provided by the manufacturer of this device can lead to an increase in electromagnetic emissions or a decrease in the device's electromagnetic immunity; this can result in faulty operation.
- Failure to comply with the above can impair the performance of the device.

5. UNIT DESCRIPTION



1. Protective cap
2. Measuring sensor
3. START button
4. ON/OFF button 
5. Battery compartment

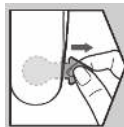
LCD display



1. Room temperature mode
2. Displays room temperature/ time/date
3. AM/PM display (time)
4. Battery symbol
5. Memory mode
6. No fever symbol
7. Temperature unit (°C or °F)
8. Fever symbol
9. Temperature display
10. Object temperature mode
11. Protective cap symbol
12. Body temperature mode

6. INITIAL USE








The batteries are already inserted in new devices. Before first use, remove the protruding plastic insulating strip from the battery compartment. The ear thermometer will then switch on automatically.




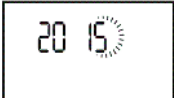



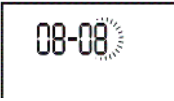


7. SETTINGS

7.1 Setting the time/date





Before beginning to take measurements, we recommend that you set the current time and date. This will allow you to organise the saved measurements more easily later.

| | |
|---|--|
| 1. Press and hold the ON/OFF button  on the switched-off device for three seconds. "24 H" appears on the display. |  |
| 2. Use the START button to select the hour format (12h or 24h) and confirm using the ON/OFF button  . | <div>   </div> |
| 3. The hour setting appears on the display. Use the START button to select the current hour and confirm using the ON/OFF button  . |  |

| | |
|---|---|
| 4. The minute setting appears on the display. Use the START button to select the current minute and confirm using the ON/OFF button  . |  |
| 5. The year setting appears on the display. Use the START button to select the current year and confirm using the ON/OFF button  . |  |
| 6. The day flashes on the display. Use the START button to select the current day and confirm using the ON/OFF button  . |  |
| 7. The month flashes on the display. Use the START button to select the current month and confirm using the ON/OFF button  . The device then switches itself off automatically. The date and time are now saved. |  |

7.2 Setting the temperature unit (°C or °F)

You can set the device to display the temperature in degrees Celsius (°C) or degrees Fahrenheit (°F).

| | |
|---|---|
| 1. Press and hold the START button on the switched-off device for three seconds. "°C" appears on the display. |  |
| 2. Use the START button to select the temperature unit (°C or °F) and confirm using the ON/OFF button  . |   |

8. MEASURING



Check before each use that the lens is intact. If it is damaged, contact your retailer or the service address. Bear in mind that the ear thermometer needs to have been in the room in which the measurement is taken for at least 30 minutes before use.

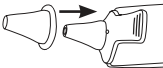

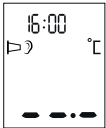
8.1 Measuring body temperature

WARNING

- Some people produce different readings in their left and right ear. In order to record temperature changes, always measure a person's temperature in the same ear.
- The ear thermometer may be used by children only under adult supervision. Measurement is usually possible over the age of 6 months. In infants under 6 months, the ear canal is still very narrow so the temperature of the eardrum often cannot be recorded and the result displayed is often too low.
- The measurement must not be taken in an ear affected by inflammatory diseases (e.g. discharging pus or secretion), after

possible ear injuries (e.g. eardrum damage) or in the healing period after operative procedures. In all of these cases, please consult your doctor.

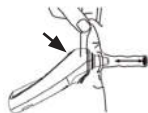
- Use of the ear thermometer on different persons can be inappropriate in the event of certain acute infectious diseases because of the possible spread of germs despite cleaning and disinfection. If you have any doubts, please consult your doctor.
- This ear thermometer may only be used with the protective cap in place.
- The following circumstances may influence the temperature in the ear: if you have been lying on the ear for an extended period, the ears are covered, the ears are exposed to excessive heat/cold, or after swimming or bathing. In the event of one of these circumstances, wait 20 minutes before performing the measurement.
- As ear wax can affect the measurement, you should clean the ear before measuring if necessary.


| | |
|--|---|
| 1. Place a clean protective cap on to the sensor tip of the ear thermometer. |  |
| 2. Press the ON/OFF button  to switch on the ear thermometer. Three acoustic signals sound and the display switches on. |  |

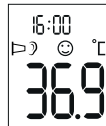
3. As the ear canal is slightly curved, you have to pull the ear slightly up and backwards before inserting the sensor tip. This is important so that the tip of the protective cap can be pointed directly at the eardrum.



4. Insert the sensor tip with the protective cap carefully into the ear canal and press the START button to begin the measurement.




5. After approx. one second, a long acoustic signal sounds and the measurement is shown in the display. Press the ON/OFF button  to switch off the ear thermometer.




If no button is pressed for one minute after the measurement, the ear thermometer automatically switches itself off again.








Fever indicator

If the measured temperature is $<38^{\circ}\text{C}$ (100.4°F), a laughing smiley  appears on the display and a short acoustic signal sounds.

If the measured temperature falls between 37.5 and 37.9°C , two short acoustic signals will also sound (the indication for "raised temperature").

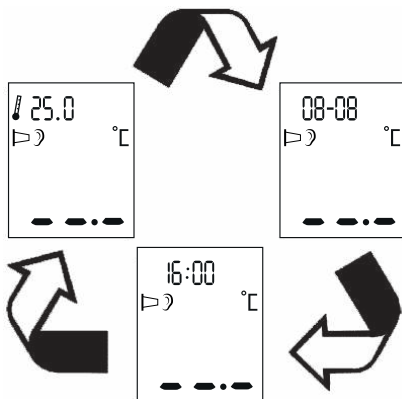
If the measured temperature is $\geq 38^{\circ}\text{C}$ (100.4°F), a sad smiley  appears on the display and a short, a long and three short acoustic signals sound one after the other.

8.2 Measuring object temperature

| | |
|--|---|
| 1. Remove the protective cap from the sensor tip of the ear thermometer (if it is on). | |
| 2. Press the ON/OFF button  to switch on the ear thermometer. Three acoustic signals sound and the display switches on. |  |
| 3. Ensure that you are in object temperature mode (). |  |
| To switch between body temperature and object temperature mode, briefly press and hold the ON/OFF button  and the START button at the same time. | |
| 4. Hold the sensor tip of the ear thermometer 1 to 2 cm from the desired measuring point and press the START button. | |
| 5. After one second, a long acoustic signal sounds and the measurement is shown in the display. Briefly press the ON/OFF button  to switch off the ear thermometer. |  |


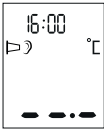




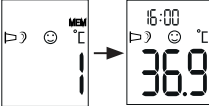

8.3 Displaying room temperature

When you switch on the ear thermometer, the room temperature, the date and time appear alternately on the display every 3 seconds.




8.4 Displaying stored measurements

The ear thermometer automatically stores the last 10 temperature measurements of body and object temperature respectively (incl. date and time). To recall the stored measurements, proceed as follows:

| | |
|---|---|
| 1. Press the ON/OFF button  to switch on the ear thermometer. |  |
| 2. Press and hold the ON/OFF button  for 3 seconds. An M and the last stored measurement appear on the display. |  |
| 3. To switch between the individual stored measurements, press the ON/OFF button  . With each subsequent pressing of the ON/OFF button  , the memory space number is displayed first followed by the measurement. |  |
| 4. If you would like to proceed with a measurement, press the START button. Press and hold the ON/OFF button  for 3 seconds to switch off the ear thermometer. | |

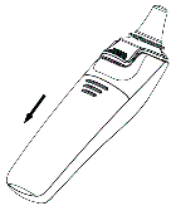
9. REPLACING THE BATTERY

Before replacing the battery, ensure that the device is switched off.

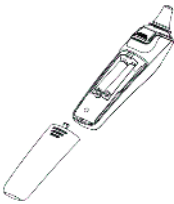
1. Replace the batteries as soon as the battery symbol () appears on the display.



2. Slide open the battery compartment and remove the used batteries from the battery compartment.



3. Insert two new 1.5 V AAA batteries. Make sure that the batteries are inserted the right way round. Close the battery compartment.



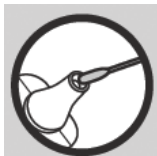
10. CLEANING AND STORAGE

Protective caps are only intended for single use.

The sensor tip is the most sensitive part of the ear thermometer. Work carefully when cleaning the sensor tip to avoid causing any damage. Use a clean cloth or cotton bud that can be moistened with disinfectant, alcohol or warm water.

To clean the entire device, use a soft cloth slightly moistened with a mild soapy solution. Do not use any harsh cleaning products.

If prolonged storage is intended, you should remove the batteries. The device must not be stored or used at an excessively high or low temperature or humidity (see technical data), in sunlight, in association with an electrical current or in dusty locations. Otherwise inaccuracies can occur.



11. DISPOSAL

For environmental reasons, do not dispose of the device in household waste at the end of its service life. Dispose of the device at a suitable local collection or recycling point. Observe the local regulations for material disposal. Dispose of the device in accordance with EC Directive – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please contact the local authorities responsible for waste disposal. You can obtain the location of collection points for old devices from the local authorities.


The codes below are printed on batteries containing harmful substances:

Pb = Battery contains lead, Cd = Battery contains cadmium, Hg = Battery contains mercury.



12. WHAT IF THERE ARE ERROR MESSAGES?

| Error message | Cause | Solution |
|---------------|--|---|
| ER1 | The ear thermometer is not yet ready for measurement. | Take measurements only once body (👤) or object temperature mode (🌡️) appears on the display. |
| ER2 | The measured ambient temperature is not in the range from 10 °C – 40 °C (50 – 104 °F). | Place the ear thermometer in a room with an ambient temperature between 10 °C and 40 °C (50 °F and 104 °F) for at least 30 minutes. |
| ER3 | The ear thermometer is not placed in the ear correctly. | Please observe the notes in the chapter “Measuring”. Perform the measurement again. |
| ER4 | The ear thermometer registered a large change in the ambient temperature. | Place the ear thermometer in a room with an ambient temperature between 10 °C and 40 °C (50 °F and 104 °F) for at least 30 minutes. |
| ER5 | The ear thermometer is not working properly. | Replace the batteries and try again. If the fault occurs again, contact Customer Services. |

| Error message | Cause | Solution |
|--|---|---|
| ERR | You are in the "Measuring object temperature" mode and the protective cap is still on. | The protective cap must be removed to measure object temperatures. |
| H _i | In-ear measurement: the measured temperature is over 43 °C (109.4 °F). Object measurement: the measured temperature is over 100 °C (212 °F). | Ensure that the device and the protective cap are fully functioning. Perform the measurement again. |
| L _o | In-ear measurement: the measured temperature is below 34 °C (93.2 °F). Object measurement: the measured temperature is below -20 °C (-4 °F). | Ensure that the device and the protective cap are fully functioning. Perform the measurement again. |
|  | The batteries are empty. | Remove the two empty batteries and insert two new 1.5 V AAA batteries into the ear thermometer. |

If you cannot find a solution to your problem here, contact our Customer Services.

13. TECHNICAL DATA


If the device is not used according to the specifications, perfect functionality cannot be guaranteed!

The accuracy of this thermometer has been carefully checked and it has been developed with a long service life in mind.

If the device is used for commercial medical purposes, the applicable national regulations determine whether it must be tested for accuracy by appropriate means.

We reserve the right to make technical changes to improve and develop the product.

| | |
|---------------------------------|---|
| Temperature range | In ear: 28.0 – 43.0 °C (82.4 – 109.4 °F) Object temperature: -20–100 °C (-4–212 °F) Room temperature: 0–50 °C (32–122 °F) |
| Laboratory measurement accuracy | In ear: ±0.2 °C (0.4 °F) in measurement range of 35.5–42.0 °C (95.9–107.6 °F); ±0.3 °C (0.5 °F) in measurement range of ≤35.5 °C (95.5 °F) and ≥42.0 °C (107.6 °F) Object temperature: ±4% or ±2 °C (4 °F) Room temperature: ±2 °C (±4 °F) |
| Clinical reproducibility | 0.11 °C (0.2 °F) |
| Duration of measurement | Approx. one second |
| Operating temperature range | 10–40 °C (50–104 °F), humidity 15-85 (non-condensing) |
| Storage temperature range | -25–55 °C (-13–131 °F), humidity ≤ 95% (non-condensing) |
| Memory | 10 memory spaces |

| | |
|------------------------|---|
| Display resolution | 0.1 °C or 0.1 °F |
| Battery | DC 3 V (2 x 1.5 V AAA batteries) |
| Dimensions | 155 x 38 x 47 mm |
| Weight | Approx. 63 g (without batteries) |
| Protective caps | 10 |
| Automatic switch-off | 60 seconds |
| Battery operating life | 3,000 measurements in succession or one year with one to two measurements per day, including standby mode. |
| Safety classification |  Connected medical device of type BF |
| IP protection class | IP 22 |

The serial number is located on the device or in the battery compartment.

14. WARRANTY/SERVICE

Further information on the guarantee and guarantee conditions can be found in the guarantee leaflet supplied.



UK Importer: Beurer UK Ltd., Suite 16, Stonecross Place, Stonecross Lane North, WA3 2SH Lowton,
United Kingdom



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