



Description of this Thermometer

EN

- ① ON/OFF button
- ② Display
- ③ Battery compartment cover
- ④ Measuring sensor / measuring tip
- ⑤ Cleaning and disinfecting area (entire thermometer surface)

Important Safety Instructions

- Follow instructions for use. This document provides important product operation and safety information regarding this device. Please read this document thoroughly before using the device and keep for future reference.
- This device is only to be used for measuring human body temperature through oral, rectal or axillary. Do not attempt to take temperatures at other sites, such as in the ear, as it may result in false readings and may lead to injury.
- Do not use this device if you think it is damaged or notice anything unusual.
- We recommend cleaning this device according to the cleaning instructions before first use for personal hygiene.
- The minimum measurement time until the beep is heard must be maintained without exception!
Consider that different measurement locations may require continued measuring even after the beep, see section «Measuring methods / Normal body temperature».
- For safety reasons (risk of rectal perforation) rectal measurement in children younger than 3 years must be performed only by trained health care personnel (professional user). Use another measurement method instead. For rectal fever measurement in small children younger than 3 years, thermometers with a flexible tip are available.
- Do not attempt rectal measurements on persons with rectal disorders. Doing so may aggravate or worsen the disorder.
- Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed.
- Do not use this device close to strong electromagnetic fields such as mobile telephones or radio installations. Keep a minimum distance of 3.3 m from such devices when using this device.
- Protect the device from impact and dropping!
- Use only the commercial disinfectants listed in the section «Cleaning and Disinfecting» to clean the device to avoid damage to the device
- We recommend this device is tested for accuracy every two years or after mechanical impact (e.g. being dropped). Please contact your local Microlife-Service to arrange the test.

WARNING! The measurement result given by this device is not a diagnosis! Do not rely on the measurement result only.
Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.

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Type BF applied part

Turning on the Thermometer

To turn on the thermometer, press the ON/OFF button ①; a short beep signals «thermometer ON». A display test is performed. All segments should be displayed stay for 3 seconds. Then at an ambient temperature of less than 32 °C, an «L» and a flashing «°C» appear at the display field ②. The thermometer is now ready for use.

Function Test

Correct functioning of the thermometer is tested automatically each time it is turned on. If a malfunction is detected (measurement inaccuracy), this is indicated by «ERR» on the display, and a measurement becomes impossible. In this case, the thermometer must be replaced

Using the Thermometer

Choose the preferred measuring method. When taking a measurement, the current temperature is continuously displayed and the «°C» symbol flashes. If the beep is heard 10 times and the «°C» is no longer flashing, this means that the measured increase in temperature is less than 0.1 °C in 16 seconds.
To prolong the battery life, turn off the thermometer by briefly pressing the ON/OFF button ①. Otherwise the thermometer will automatically turn off after about 10 minutes.

Storage of Measured Values

When turning on the thermometer, Auto display last memory for 2 seconds with «M» icon after LCD full display.

Changing between Celsius and Fahrenheit

When device is off, press and hold the O/I button for 4-5 seconds until «°C» or «°F» flashes. Press O/I button again to switch between «°C» or «°F». wait about 4 seconds until «°C» or «°F» starts flashing. The thermometer is set and is ready for use.

Measuring methods / Normal body temperature

- ▶ **In the armpit (axillary) / 34.7 - 37.3 °C**
Wipe the underarm with a dry towel. Place the measuring sensor ④ under the arm into the center of the armpit so the tip is touching the skin and position the patient's arm next to the patient's body. This ensures that the room air does not affect the reading. Because the axillary takes more time to reach its stable temperature wait at least **5 minutes**, regardless of the beep sound.
- ▶ **In the mouth (oral) / 35.5 - 37.5 °C**
Do not eat or drink anything hot or cold 10 minutes before the measurement. The mouth should remain closed up to 2 minutes before starting a reading.
Position the thermometer in one of the two pockets under the tongue, to the left or right of the root of the tongue. The measuring sensor ④ must be in good contact with the tissue. Close your mouth and breathe evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air.
If this is not possible due to blocked airways, another method for measuring should be used.
- ▶ **Approx. measuring time: 1 minute!**
- ▶ **In the anus (rectal) / 36.6 - 38.0 °C**
Attention: For the prevention of rectal perforation in children (younger than 3 years), we recommend using another measuring method, or the use of a thermometer with flexible tip. Carefully insert the measuring sensor ④ of the thermometer 2 to 3 cm into the anal aperture.
The use of a probe cover and the use of a lubricant is recommended. If you are unsure of this measurement
Approx. measuring time: 1 minute!

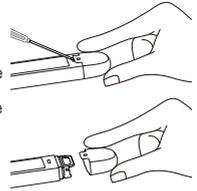
Cleaning and Disinfecting

Use an alcohol swab or cotton tissue moistened with alcohol (Isopropyl alcohol 70 %) to clean the thermometer. Avoid wiping the display with Isopropyl alcohol to protect it from fading.
● Please never immerse into liquids!

For professional use: Additionally, you may apply probe covers (available as accessory). Contact Microlife for more details concerning further disinfectants for your thermometer model.

Battery Replacement

When the «■» symbol (rectangle) appears in the display, the battery is flat and needs replacing. Remove the battery compartment cover ③ from the thermometer, to replace the battery. Insert the new battery with the + at the top. Make sure you have a battery of the same type to hand. Batteries can be purchased at any electrical store.



Technical Specifications

Type:	Maximum thermometer
Measurement range:	32.0 °C to 43.9 °C(90°F-109.9°F) Temp. < 32.0 °C: display «L» for low (too low) Temp. > 43.9 °C: display «H» for high (too high)
Measurement accuracy:	between 32.0 °C - 43.9 °C(90.0°F-109.9°F) Full range: ±0.1 °C(±0.2°F)
Operating conditions:	10 - 40 °C; 15-95 % relative maximum humidity
Storage conditions:	-25 - +55 °C; 15-95 % relative maximum
Battery:	LR41 (1.5V)
Battery lifetime:	approx. 4500 measurements (using a new battery)
IP 22:	Protected against solid foreign objects of 12.5 mm diameter and greater. Protected against vertically falling water drops when the device is tilted up to 15°.
Reference to standards:	ISO 80601-2-56; IEC 60601-1; IEC 60601-1-2 (EMC); IEC 60601-1-11
Expected service life:	5 years or 10000 measurements
This device complies with the requirements of the Medical Device Directive 93/42/EEC. Technical alterations reserved.	

Guarantee

This device is covered by a lifetime guarantee from the date of purchase.
Opening or altering the device invalidates the guarantee.
The following items are excluded from the guarantee:
● Transport costs and risks of transport
● Damage caused by incorrect application or non-compliance with the instructions for use.
● Damage caused by leaking batteries.
● Damage caused by accident or misuse.
● Packaging/storage material and instructions for use.
● Regular checks and maintenance (calibration).
● Accessories and wearing parts: Battery.
Should guarantee service be required, please contact the dealer from where the product was purchased, or your local Microlife service. You may contact your local Microlife service through our website: www.microlife-asiapacific.com/support