



Description of this Thermometer

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

EN

Technical Specifications

- Type:** Maximum thermometer
Measurement range: 32.0 °C to 42.9 °C
Measurement accuracy: ± 0.1 °C between 34 °C and 42 °C
Operating conditions: 10 - 40 °C; 15-95 % relative humidity
Storage conditions: -25 - +60 °C; 15-95 % relative maximum humidity
Battery: LR41 (1.5V) / SR41 (1.5V)
Battery lifetime: approx. 2700 measurements (using a new battery)
IP Class: IP22
Reference to standards: EN 12470-3, clinical thermometers; ASTM E1112, IEC 60601-1; IEC 60601-1-1
Expected service life: 5 years or 10000 measurements

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.
- Observe 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».
- Do not attempt to read measurements on persons with rectal disorders. Doing so may aggravate or worsen the disorder.
- Opening or altering the device invalidates the guarantee.
- This device is covered by a lifetime guarantee from the date of purchase. During this guarantee period, at our discretion, Microlife will repair or replace the defective product free of charge.
- 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!
- Avoid bending the thermometer probe more than 45°!
- Avoid ambient temperatures above 80 °C. NEVER boil this device!
- Use the device as described in the section «Cleaning and Disinfecting» to clean this device to avoid damage to the device.
- We recommend this device is tested for durability over 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 only 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.

- ON/OFF button**
Display
Type BF applied part
Turning on the Thermometer

To turn on the thermometer, press the ON/OFF button ①; a short beep signal is heard from the device. A display test is performed. All segments should be displayed.

The last measurement reading will be shown on the display ② automatically for 2 seconds with the **M** icon. After 5 minutes, the **C** symbol appears on the display ②. The thermometer is now ready for use.

Function Test
 Coreld 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, the predictive end-temperature has been determined and the thermometer can be read now.

Short beeps will sound when the temperature is higher than 37.5 °C in order to alert the patient that he/she may have fever. Reference: Oral temperature.

To achieve comparable results allow a 1 minute interval time between measurements.

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.

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 breath 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: 10 seconds!

In the anus (rectal) / 36.6 - 38.0 °C
 Carefully insert the measuring sensor ④ of the thermometer 2 to 3 cm into the rectum. The probe must be inserted for at least 5 minutes. The use of a probe cover and the use of a lubricant is recommended. If you are unsure of this measurement method, you should consult a professional for guidance/training.

Approx. measuring time: 10 seconds!

Cleaning and Disinfecting

For disinfection in home user environments, use a 70% Isopropyl alcohol swab, or a cotton ball moistened with a 70% isopropyl alcohol to wipe the thermometer probe and the measuring sensor. The application and safety instruction of the disinfectant manufacturer. Always start wiping from the end of the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. Afterwards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the thermometer tip. After wards turn the thermometer probe (see number ⑤ in the drawing), should be immersed in 70% isopropyl alcohol for at least 5 minutes (max. 24 hours). Then the thermometer probe (approx. at the middle of the thermometer) towards the

