



Description of this Thermometer

- ① Multifunction button
- ② Display
- ③ Battery compartment cover
- ④ Measuring sensor
- ⑤ Body mode
- ⑥ Water bath mode
- ⑦ Ambient mode

Important Safety Instructions

- The minimum measurement time until the beep is heard must be maintained without exception!
- 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 instrument from impact and dropping!
- Avoid bending the tip more than 45°!
- Avoid ambient temperatures above 40 °C/104°F. NEVER boil the instrument!
- Use only the commercial disinfectants listed in the section «Cleaning and Disinfecting» to clean the instrument.
- We recommend this instrument is tested for accuracy every two years or after mechanical impact (e.g. being dropped). Please contact Microlife-Service to arrange the test.
- Do not use the device if you think it is damaged or if anything appears unusual.
- Do not store the unit under direct sunlight, at a high temperature, or in high humidity or dust. Performance may be degraded.



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.



Follow Instructions for Use. This document provides important product operation and safety information regarding this thermometer. Please read this document thoroughly before using the device and keep for future reference.



Type BF applied part

Turning on the Thermometer

To turn on the thermometer, press the multifunction button (1); a short beep signals «thermometer ON» and a red and green backlight lights up. A display test is performed. All segments should be displayed.

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.

Select the Measuring Mode

Press the multifunction button (1) to select the desired mode; the device will set up the chosen mode if there is no switch within 3 seconds. After the mode selection is completed, the thermometer is ready for use.

Using the Thermometer

Measuring in body mode (5)

The last body mode result will be shown on the display (2) automatically for 2 seconds with the «M» icon. At an ambient temperature of less than 34.0 °C/ 93.2°F, «←» and «°C» or «°F» appear on the display (2). The thermometer is ready for use now. Choose the preferred measuring method. When taking a measurement, the current temperature is continuously displayed and flashes. If a long beep is heard and the displayed temperature is no longer flashing, the predictive end-temperature has been determined and the thermometer can be read.

4 short beeps and a red LCD backlight alert the patient that a temperature equal or higher than 37.5°C/ 99.5 °F was measured. Reference: Oral temperature.

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

Measuring in water bath mode

The temperature will be displayed continuously without backlight when the temperature is between 5 - 50 °C/41°F ~ 122°F.

Measuring in ambient mode

The temperature will be displayed continuously without backlight when the temperature is between -10 - +50 °C/14°F ~ 122°F.

To prolong the battery life, turn off the thermometer by briefly pressing the multifunction button (1). Independently of the selected mode the device will turn off 5 minutes after it was switched on automatically.

Measuring methods / Normal body temperature

Readings from different measuring sites should not be compared as the normal body temperature varies by measuring site.

In general, the Oral temperature is around 0.5 °C to 1.1 °C lower than Rectal temperature.

The Axillary temperature is around 0.7 °C to 1.9 °C lower than Rectal temperature.

Normal body temperature ranges:

- Axillary: 34.7 - 37.3 °C
- Oral: 35.5 - 37.5 °C
- Rectal: 36.6 - 38.0 °C



In the mouth (oral) / 35.5 °C - 37.5 °C / 95.9°F - 99.5 °F

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.

Approx. measuring time: 8 seconds!

In the anus (rectal) / 36.6 °C - 38.0 °C / 97.9°F - 100.4 °F

This is the most reliable measuring method, and is especially suitable for infants and small children. Carefully insert the measuring sensor (4) of the thermometer 2 to 3 cm into the anal aperture.

Approx. measuring time: 8 seconds!

In the armpit (axillary) / 34.7 °C - 37.3 °C / 94.5°F - 99.1 °F

To receive more reliable results we recommend measuring temperature orally or rectally.

Changing between Celsius and Fahrenheit

This thermometer can display temperature readings in either Fahrenheit or Celsius. To switch the display between °C and °F, While thermometer is OFF, press and hold the O/I button for about 5seconds, the current measurement scale («°C» or «°F» icon) will flash on the display. Change the measurement scale between °C and °F by pressing the O/I button, and the thermometer will power off automatically after switch completed

Cleaning and Disinfecting

Name: Isopropyl alcohol 70 %; immerse: max. 24 hours.

Battery Replacement

The battery needs replacing, when only the «battery»-symbol appears on the display. 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:	Predictive maximum thermometer
Measurement range:	Body mode: 34 - 43.9 °C/ 93.2°F ~ 111.0°F Temp. < 34.0 °C/ 93.2°F: display «←» for low (too low) Temp. > 43.9 °C/111.0°F: display «H» for high (too high) Water bath mode: 5 °C - 50 °C/41°F ~ 122°F Temp. < 5 °C/41°F: display «L» for low (too low) Temp. > 50 °C/122°F: display «H» for high (too high) Ambient mode: -10°C - +50 °C/14°F ~ 122°F Temp. < -10 °C/14°F: display «Err» for low (too low) Temp. > 50 °C/122°F: display «H» for high (too high)
Measurement accuracy:	Body mode: ± 0.1 °C/ ± 0.2°F between 34 - 43.9 °C/ 93.2°F ~ 111.0°F Water bath mode: ± 1 °C/ ± 2°F between 5 °C - 50 °C/41°F ~ 122°F Ambient mode: ± 1 °C/ ± 2°F between -10°C - +50 °C/14°F ~ 122°F
Operating conditions:	10°C - 40 °C/ 50.0°F - 104 °F; 15-95 % relative maximum humidity
Storage conditions:	-25 °C - +55 °C/ -13°F - 131°F; 15-95 % relative maximum humidity
Battery:	3V; CR1632
Battery lifetime:	approx. 2000 measurements (using a new battery)
IP Class:	IP67
IP67:	Totally protected against dust ingress, protected against the effect of immersion in water between 15cm and 1m.
Reference to standards:	EN 12470-3, clinical thermometers; ASTM E1112; 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

We grant you a lifetime guarantee after the date of purchase. Any damage caused by improper handling shall not be covered by the guarantee. The battery and packaging are excluded from the guarantee. All other damage claims excluded. A guarantee claim must be submitted with the purchase receipt. Please pack your defective instrument well and send with sufficient postage to the Microlife distributor.