



Please read this instruction manual carefully before using this device, especially the safety information, and keep the instruction manual for future use.

## INTENDED USE

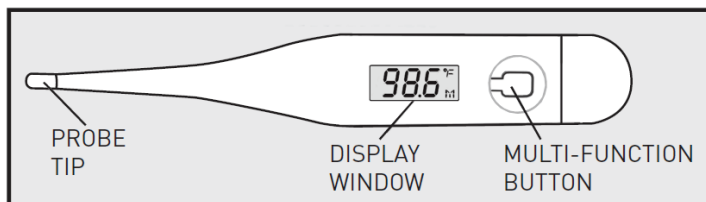
A digital thermometer is a device used to measure the body temperature of a patient by means of a transducer coupled with an electric signal amplification, conditioning, and display unit.

## SAFETY INFORMATION

- WARNING:** High, prolonged fever requires medical attention especially for young children. Please contact your physician.
- WARNING:** Do not allow children to take their temperatures unattended.
- WARNING:** Read the enclosed instructions carefully to ensure accurate temperature readings. Temperature readings are affected by many factors including exercise, drinking hot or cold beverages prior to taking a reading as well as technique.
- WARNING:** Do not allow children to walk or run during temperature taking. The rigid probe could present a hazard. Oral, underarm (axillary), and rectal temperatures may vary by approximately +/- 1°F (0.5°C).
- WARNING:** Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed.
- WARNING:** Keep battery out of children's reach. Swallowing battery could be harmful. Battery should not be recharged or exposed to extreme heat as it may explode.
- CAUTION:** Do not take an underarm (axillary) temperature through patient's clothing. Direct probe cover to skin contact is required.
- CAUTION:** Biting the probe tip while temperature taking may result in damage to the probe.
- CAUTION:** Do not autoclave. Please note cleaning procedures described in this manual.
- CAUTION:** Dispose of batteries in accordance with locally applicable regulations. Do not dispose with with domestic waste.

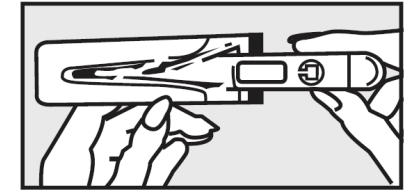
## OVERVIEW

To the right is a diagram of the thermometer and its important features.



## HOW TO TAKE TEMPERATURE

1. Place a probe cover carefully over the tip (see illustration, right). (This is optional)
2. Select oral, underarm or rectal as your measurement site based on the individual requiring a temperature measurement.



3. Push the Multi-Function button. The display will read °F or °C (right). This is a function check indicating the unit is working properly. The last measured temperature will be displayed for approximately 2 seconds. Next the thermometer will read L°F (or L°C).



4. The °F or °C symbol will flash when the unit is ready to measure temperature. Note that the symbol (right) indicates a low battery. Do not expect an accurate temperature reading if this low battery indicator is present. An "ERR" message in the window indicates your unit is not functioning properly.



5. Depending on the measurement site, the unit will complete measurement in 40 (rectal), 60 (oral), or approximately 90 (axillary) seconds. When the F° or C° symbol stops flashing and the display reads a consistent temperature, the peak temperature has been reached.
6. Read and record the temperature and time for reference. The reading will automatically be stored in the memory.
7. Push the Multi-Function button to turn the unit off. This will prolong the battery life. If you do not turn the unit off, it will shut off automatically in approximately 10 minutes.

## ORAL USE (for children 4 years or older)

1. Do not drink hot or cold fluids, exercise or perform other activities that will raise or lower temperature readings when compared to your normal, average temperature. The mouth should remain closed up to 5 minutes before attempting a reading.
2. Place the probe tip well under the tongue as indicated (right).
3. Instruct children not to bite down on the probe. The peak temperature should be reached in approximately 60 seconds.
4. Opening of the mouth or improper placement of the probe tip could result in a longer reading time.



## RECTAL USE

1. Commonly used for babies, young children or when it is difficult to take an oral or underarm temperature.
2. After placing the probe cover on the thermometer, lubricate with a water-soluble jelly or petroleum jelly.
3. Gently insert the probe tip no more than 1/2 inch or 1.3 cm into the rectum. Do not force the tip into the rectum if resistance is encountered.
4. Dispose of the used probe cover and wash the thermometer as recommended. The peak temperature should be reached in approximately 40 seconds.

## UNDERARM (AXILLARY) USE

1. Wipe underarm with a dry towel.
2. Place probe tip in armpit and bring arm down against the body.
3. The probe should point upward in the same direction as your body if possible.
4. An accurate underarm temperature may take 90 seconds or longer depending on placement of the probe and closure of the arm against the body.

## CHANGING MEASUREMENT SCALE

From the "OFF" position, hold down the Multi-Function button for 5 seconds. An "°F" or "°C" will appear on the display, blinking. Press the ON/OFF button to toggle to the opposite temperature setting. After 4 seconds your thermometer will be ready for use. STANDARDS Complies with EN 12470-3:2000, ASTM E 1112-00, and IEC60601-1-11.

## HOW TO CARE FOR THIS PRODUCT

- Use of probe covers is recommended to help avoid spreading germs, and to keep the thermometer clean. The thermometer should be cleaned after use.
- Clean the thermometer tip using only isopropyl alcohol or soap and water.
- Store the unit in the protective case while not in use.
- Do not store the unit under direct sunlight, at a high temperature, or in high humidity or dust. This may degrade performance of the unit.
- Do not use the device if you think it is damaged or if anything appears unusual.
- Do not use this device next to strong electromagnetic fields such as mobile phones or radio installations. Keep a distance from such devices when using this unit.
- Keep battery away from children.
- Do not open the thermometer.
- Do not drop the thermometer, as this may damage the unit.
- We recommend verifying the accuracy by an authorized laboratory every two years.

## SPECIFICATIONS

**SIZE:** 5"L x 3/4"W x 3/8"H (12.7cm L x 1.905cm W x .9525cm H)

**WEIGHT:** 0.49 oz (14 grams)

**DISPLAY:** LCD, Liquid Crystal Display

**BATTERY:** 1.55v (LR41) Alkaline

**BATTERY LIFE:** Approximately 4,500 measurements

**MEASUREMENT TIME:** Oral 60 Seconds / Rectal 40 Seconds / Axillaries 90 Seconds

**MEASUREMENT RANGE:** 90.0°F - 109.9°F (32.0°C - 43.9°C)

**ACCURACY:** 0.2°F (0.1°C) between 96.0°F - 107.0°F (34.0°C - 42.0°C) at a room temperature of 64.4°F - 82.4°F (18°C - 28°C)

**MEASUREMENT MODE:** Real measurement with peak-hold method

**AUDIBLE ALARM:** 1 beep at start-up. Continuous beep at measurement completion

**AUTO TURN OFF:** In approximately 10 minutes

**MEMORY FEATURE:** Stores last temperature taken

**OPERATION RANGE:** 50°F - 104°F (10°C - 40°C), relative humidity of 15%~95%

**STORAGE RANGE:** -13°F - 140°F (-25°C - 60°C), humidity of 15%~95% (non-condensing)

## WARRANTY

Warranty does not cover batteries, or damage resulting from improper handling or use. Specific legal rights stipulated in your state may guide this warranty.



Batteries and electronic instruments must be disposed of in accordance with the locally applicable regulations, and not as domestic waste. STANDARDS Complies with EN 12470-3;ISO 80601-2-56;IEC 60601-1; IEC 60601-1-2 (EMC); IEC 60601-1-11. This device complies with the requirements of the Medical Device Directive 93/42/EEC.

## SYMBOL DEFINITIONS



Low battery indicator



Temperature limit



Humidity limit



Important Warning/ Caution

**IP21**



IP21 Protected against solid foreign objects of 12.5mm diameter and greater. Protected against the ingress of vertically falling water drops with the device positioned on a turntable.



Not made with natural rubber latex



Type BF applied part



Fahrenheit



Celsius



MicroLife AG  
Esenstrasse 139  
9443 Widnau - Suisse



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