

# Oral Temp Digital Thermometer

## Oral Digital Thermometer

### USER MANUAL



Model: GF-MT506 (Flexible tip and Waterproof)

Certifications: CE0197 and ISO13485:2016

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## INTRODUCTION

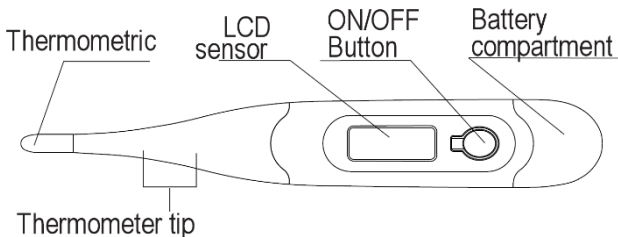
Thank you for purchasing the Oral Temp Digital Thermometer. Please read the instructions carefully before using the thermometer for the first time. Keep the instructions for future reference. This product is intended for the measurement of the human body temperature via mouth (oral), armpit (axillary) and rectum (rectal).

NOTE: This thermometer comes with a clear storage case which should be used to store the thermometer in a dry cool place at all times when not in use.

## PACKAGE CONTENTS

No.	Name	Quantity
1	Digital Thermometer	1
2	Storage Case	1
3	Battery (1.5 V DC button) LR41xSR41x UCC392	1
4	User Manual	1

## PRODUCT STRUCTURE



Numerical temperature displays on the Left side of the screen

°C (Celsius) or °F (Fahrenheit) on the Top Right corner

M on the Bottom Right corne

## WARNINGS AND PRECAUTIONS

- 1) **Use of this thermometer is not intended as a substitute for consultation with your physician or pediatrician. It is for household use only.**
- 2) Keep out of reach of children under 12 years. This thermometer contains multiple small parts which are a hazard to person requiring monitoring or supervision.
- 3) Never immerse the thermometer into water or other liquids for longer than 2 minutes. For cleaning and disinfecting please follow the instructions in the “Care and cleaning” section.
- 4) Never use the thermometer for purposes other than those it has been intended for. Please follow the general safety precautions when using on children.
- 5) Do not allow the device to come into contact with hot water.
- 6) Keep the thermometer away from direct exposure to the sun and keep it in a dust-free, dry area, well-ventilated place at a temperature between 10°C (50°F)-40°C (104°F). Do not use the thermometer in high humidity environments. (> 95% RH)
- 7) Do not use the thermometer if there are signs of damage on the measuring sensor or on the instrument itself. If damaged, do not attempt to repair the instrument! Please contact 1-800-915-0116.
- 8) Do not drop the instrument. Protect it from severe impact and shock. Do not twist the instrument or the measuring sensor. This thermometer is neither shock-proof nor impact-resistant.
- 9) Do not bend any part of the device. The tip should not be bent more than 30° at any time or for any period of time.
- 10) Do not open the device aside from the battery compartment when changing the battery.
- 11) This thermometer will not provide accurate reading if the ambient temperature is over 35°C or 95°F.

- 12) Please consult your doctor if you see symptoms such as unexplained irritability, vomiting, diarrhea, dehydration, changes in appetite or activity, seizure, muscle pain, shivering, stiff neck, pain when urinating, etc., even in the absence of fever.
- 13) Even in the absence of fever, those who exhibit a normal temperature may still need to receive medical attention. People who are on antibiotics, analgesics, or antipyretics should not be assessed solely on temperature readings to determine the severity of their illness.
- 14) Temperature elevation may signal a serious illness, especially in adults who are old, frail, have a weakened immune system, or neonates and infants. Please seek professional advice immediately when there is a temperature elevation and if you are taking temperature for whom are:
- Over 60 years of age (Fever may be blunted or even absent in elderly patients)
  - Having diabetes mellitus or a weakened immune system (e.g., HIV positive, cancer, chemotherapy, chronic steroid treatment, splenectomy)
  - Bedridden (e.g., nursing home patient, stroke, chronic illness)
  - A transplant patient (e.g., liver, heart, lung, kidney)
- 15) This thermometer is not intended for pre-term babies or small-for-gestational age babies. This thermometer is not intended to interpret hypothermic temperatures.
- 16) Clean the thermometer probe after each use.
- 17) Do not use the thermometer on newborns or for continuous temperature monitoring purposes.
- 18) Do not take a measurement while or immediately after nursing a baby.
- 19) Patients should not drink/eat or be physically active before/while taking the measurement.

## **PRODUCT DESCRIPTION**

Infrared Thermometer measures the body temperature based on the infrared energy emitted from the eardrum or the forehead. Users can quickly get measurement results after positioning properly the temperature probe in the ear canal or forehead.

Normal body temperature is a range. The following tables shows that this normal range also varies by site. Therefore, readings from different site should not be directly compared. Tell your doctor what type of thermometer you used to take your temperature and on what part of the body. Also bear this in mind if you are diagnosing yourself.

	Measurements
Maximum thermometer measurement range	32.0°C to 42.9°C 90.0°F to 109.9°F
Measurement accuracy	+/- 0.1°C 35.5°C – 42.0°C +/- 0.2°F 95.9°F – 107.6°F
Storage/transportation temperature	+/- 0.2°C -20°C – 55°C +/- 0.4°F -4°F –131°F
Storage/transportation humidity	15% ~ 95% RH
Ambient During Use temperature	+/- 0.2°C 15°C – 40°C +/- 0.4°F 59°F –104°F
During Use humidity	15% ~ 95% RH

## Structure

The thermometer consists of a shell, an LCD screen, a measure button, a beeper, a battery compartment, and a Microprocessor.

## **INDICATIONS FOR USE**

It is important to remember that the body temperature reading depends and varies on the site where it is measured. For this reason, the measurement site must always be consistent in order to ensure that a correct temperature reading is recorded.

### **IN THE MOUTH (ORAL)**

There are different heat zones in the mouth. As a general rule, the oral temperature is 0.3°C to 0.8°C (0.5-2°F) lower than the rectal temperature.

1. Place the thermometer tip to the left or right of the root of the tongue. (The thermometer tip must have constant contact with the tissue and be placed under the tongue in the heat pocket at the back of the tongue during the reading)
2. Keep your mouth closed during the entirety of the reading and breathe evenly through the nose.
3. Press the power button once and let it go to begin the reading. (Approximately reading time is between 15 and 19 seconds).
4. Once the temperature has been constant within 0.1°C for 4 seconds the thermometer will beep four times.
5. Remove the thermometer and record the reading.

### **IN THE ARMPIT (AXILLARY)**

Placing the thermometer in the armpit provides a measurement of core body temperature which can fluctuate by 0.5°C to 1.5°C (1-3°F) from rectal temperature readings in adults.

1. Place the thermometer tip between your armpit and your body. (The thermometer tip must have constant contact with the tissue during the reading.)
2. Please ensure your arm is held tightly to your body the entire time. (Do not allow your armpit to cool prior to testing)
3. Press the power button once and let it go to begin the reading. (approximately reading time is between 23 and 29 seconds)

4. One the temperature has been constant within 0.1°C for 4 seconds the thermometer will beep four times.
5. Remove the thermometer and record the reading.

### **IN THE RECTUM (RECTAL)**

Placing the thermometer in the rectal canal is the most accurate method from a medical point of view. This reading does not fluctuate between readings.

1. Place the thermometer tip very carefully about 2 cm into the rectum. (2cm is twice the length of the silver probe)
2. Press the power button once and let it go to begin the reading. (approximately reading time is between 9 and 11 seconds)
3. One the temperature has been constant within 0.1°C for 4 seconds the thermometer will beep four times.
4. Remove the thermometer and record the reading.

### **Contraindications**

Do not use the thermometer if the area is infected or lacerated.

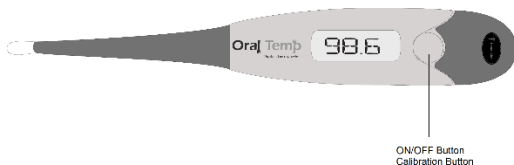
### **CARE AND CLEANING**

Use an alcohol swab or cotton swab moistened with 70% alcohol to clean the thermometer body and the measuring probe. Wait until after the alcohol has completely dried out before you can take a new measurement.

Ensure that no liquid enters the interior of the thermometer. Never use abrasive cleaning agents, thinners or benzene for cleaning and never immerse the instrument in water or other cleaning liquids.



## °C/°F CONVERSION



### To switch from °C to °F

1. With the screen blank, press and hold the Calibration Button (ON/OFF button).
2. Keep the button pressed down while the thermometer shows 188.88 °C on your screen
3. Keep the button pressed down and the °C on the top right corner will switch to °F and display Lo or Hi with a flashing °F.
4. Press and let go of the Calibration button once to complete the setting and turn the thermometer off.

### To switch from °F to °C

1. With the screen blank, press and hold the Calibration Button (ON/OFF button).
2. Keep the button pressed down while the thermometer shows 188.88 °F on your screen
3. Keep the button pressed down and the °F on the top right corner will switch to °C and display Lo or Hi with a flashing °C.
4. Press and let go of the Calibration button once to complete the setting and turn the thermometer off.

## TO TURN OFF THE THERMOMETER

The unit will shut down automatically after 10 seconds of no use. You can also press the ON/OFF button.

## MEMORY RECALL

The unit will has a last memory recall function.

1. With the thermometer off; Press and hold the ON/OFF button for 2-3 seconds.
2. The last measurement value will appear with an M on the bottom right corner of the LCD display.
3. The reading will only be visible for 2 seconds before being over written with a new temperature record.

NOTE: Do not hold button down for longer than 4 seconds or you will switch the °C to °F or vise versa.

## BATTERY REPLACEMENT



The battery is empty and needs to be replaced when the battery symbol appear on the right of the LCD display.

Remove the battery cover by sliding the orange lid locate on the top of the thermometer upwards.

Remove the old battery and replace the battery with a new (non-mercury) 1.5V DC button battery size LR41 or SR41 or UCC 392.

Please make a note that the + sign is facing the back of the thermometer and the – is facing the LCD screen.

## TEMPERATURE TAKING TIPS

- 1) It is important to know each individual's normal temperature when they are well. This is the only way to accurately diagnose a fever. Record readings twice a day (early morning and late afternoon). Take the average of the two temperatures to calculate normal oral equivalent temperature. Always take the temperature in the same location, since the temperature readings may vary from different locations on the body.
- 2) A child's normal temperature can be as high as 99.9°F (37.7) or as low as 97.0°F (36.11). Please note that this unit reads 0.5°C (0.9°F) lower than a rectal digital thermometer.
- 3) External factors may influence ear temperatures, including when an individual has:
  - been lying on one ear or the other
  - had their ears covered
  - been exposed to very hot or very cold temperatures, or
  - been recently swimming or bathing

In these cases, remove the individual from the situation and wait 20 minutes prior to taking a temperature.

Use the untreated ear if prescription ear drops or other ear medications have been placed in the ear canal.
- 4) Holding the thermometer for too long in the hand before taking a measurement can cause the device to warm up. This means the measurement could be incorrect.
- 6) Patients and the thermometer should stay in steady-state room condition for at least 30 minutes.
- 7) Before placing the thermometer sensor onto the forehead, remove dirt, hair, or sweat from the forehead area. Wait 10 minutes after cleaning before taking measurement.

- 8) Use an alcohol swab to carefully clean the sensor and wait for 5 minutes before taking a measurement on another patient. Wiping the forehead with a warm or cool cloth may impact your reading. It is advised to wait 10 minutes before taking a reading.
- 9) In the following situations it is recommended that 3-5 temperatures in the same location be taken and the highest one taken as the reading:
- Newborn infants in the first 100 days.
  - Children under three years of age with a compromised immune system and for whom the presence or absence of fever is critical.
  - When the user is learning how to use the thermometer for the first time until he/she has familiarized himself/herself with the instrument and obtains consistent readings.

## **WARRANTY AND AFTER-SALE SERVICE**

The device is under warranty for 12 months from the date of purchase.




The batteries, the packaging, and any damage caused by improper use are not covered by this warranty.

Excluding the following user-caused failures:

1. Failure resulting from unauthorized disassembly and modification.
2. Failure resulting from an unexpected dropping during application or transportation.
3. Failure resulting from not following the instructions in the operating manual.

Register your product's warranty at: <http://homeaide.us/warranty.html>

## SPECIFICATIONS

Product name	Oral Temp Digital Thermometer
Power supply (Battery)	DC1.5V × 2 button battery (Size LR41, SR41 or UCC392)   Approx. 200 hours
Measurement range	32.0°C–42.9°C (89.6°F–109.2°F)
Accuracy (Laboratory)	±0.2°F/C /±0.4°F (35.5°C ~ 42.0°C / 95.9°F ~ 107.6°F)
Display resolution	0.1°C /°F
Automatic shutdown	10s±1s
Memory	35 groups of measured temperature.
Storage/Transit conditions	Temperature: -20~55°C Humidity: 15-95%RH, non-condensing Atmospheric pressure: 86-106 kPa
Operational conditions	Temperature: 15~40°C Humidity: 15-95%RH, non-condensing Atmospheric pressure: 86-106 kPa
Weight	11g
	Follow product disposal instruction for electronic devices dictated by your city/state/country
	The battery that is provided with this product complies with the requirements stated in the European Directives 2006/66/EEC
	Type BF equipment ( <i>devices that have conductive contact with the patient, or having medium or long term contact with the patient</i> )