

# Instruction Manual

**ForeTemp**<sup>™</sup>

## *Forehead Thermometer*

Model 18-575-000

Please read this detailed guidebook completely before operating this unit.



English French Portuguese Spanish

## Limited Three-Year Warranty

Your ForeTEMP™ Forehead Thermometer is guaranteed to be free of manufacturing defects for a period of three years from the date of purchase under normal use. This limited warranty does not apply to use in any clinical or commercial applications. If the unit fails to operate during the warranty period, return it postage prepaid along with \$5.00 for return shipping and insurance to: MABIS Healthcare Inc., Attn: Repair Department, 28690 N. Ballard Drive, Lake Forest, IL 60045. If MABIS Healthcare determines that the unit failed to operate due to a manufacturing defect, the unit will be repaired or replaced at the option of MABIS Healthcare. Repair or replacement of the unit is the sole remedy under this limited warranty. This warranty gives you specific legal rights, which vary from state to state. As a condition of this warranty, the enclosed warranty registration card must be completed and sent to us within 10 days of the purchase date.

This Limited Warranty constitutes MABIS Healthcare's only responsibility and obligation to repair and/or replace materials or components. We make no other express or implied warranties, arising by operation of law or otherwise, or any warranty of merchantability or fitness for a particular use or purpose whether or not the use or purpose has been disclosed to MABIS Healthcare in specifications, drawings or otherwise, and whether or not MABIS Healthcare's products are specifically designed and/or manufactured by MABIS Healthcare for the buyer's use or purposes, except for the limited warranty stated above. MABIS will not be responsible for any indirect, incidental, special, consequential, or punitive damages or other loss, including, but not limited to, damage to or loss of other property or equipment and personal injuries, whether to purchaser or others. MABIS shall in no event be liable to the purchaser for any amount in excess of the cost of repair and/or replacement of the unit.



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## Introduction

Thank you for purchasing a MABIS ForeTemp thermometer. Please read the following instructions to achieve the most accurate temperatures and safe operation. With proper care and use, your thermometer will provide you with many years of reliable readings.

The ForeTemp thermometer is intended for monitoring human body temperature and is appropriate for all ages. It is less threatening than a rectal thermometer, is easier and faster than standard oral measurements and can even be used while a child is sleeping.

## How Does the ForeTemp Thermometer Work?

The ForeTemp thermometer measures temperature by use of infrared heat that is produced from the temporal artery. This artery, which is located just beneath the skin's surface on the forehead, receives constant and direct blood flow from the heart.

The forehead location is easily accessible and provides a non-invasive and hygienic method for body temperature readings. By use of infrared heat, readings taken with the ForeTemp will take approximately 3-6 seconds.

The ForeTemp thermometer is extremely sensitive and accurate. As soon as the thermometer is turned on, the ForeTemp senses the room's temperature and displays the reading.

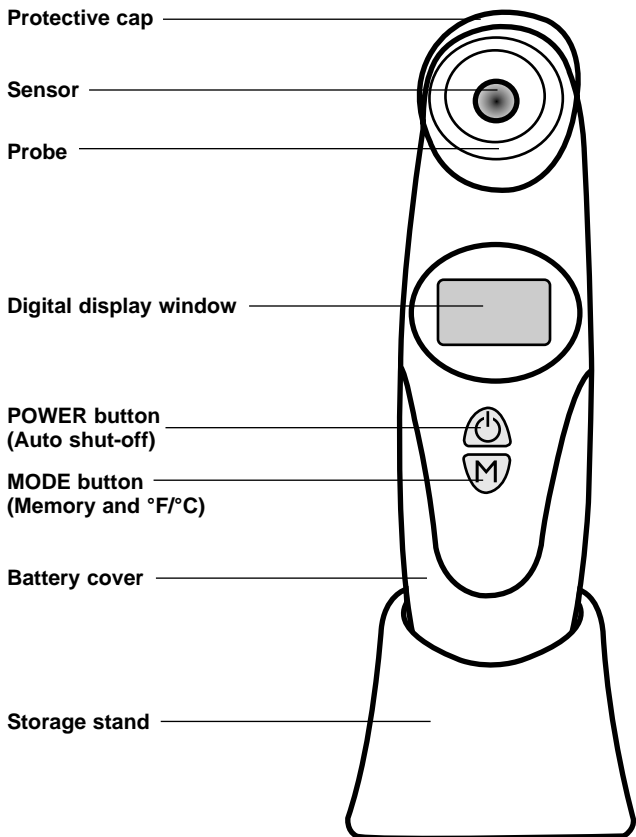
Because of the sensitivity of the infrared lens, it is important to establish proper technique when using the ForeTemp thermometer. For added confidence, we encourage you to practice proper technique when a fever is not present.

The ForeTemp thermometer is based on the latest infrared technology available today. It has been widely used in Europe and meets all US and European accuracy standards. Furthermore, ForeTemp thermometers have been clinically tested in both home use and in hospitals, including children's emergency rooms.

## What is a "Normal" Temperature?

Although the generally accepted "normal" temperature reading is 98.6°F (37.0°C), temperature readings can vary from 97.0°F to 99.0°F (36.1°C to 37.2°C) and still may be considered "normal". Variations in temperature can be attributed to activities such as exercise, smoking, eating and drinking. Even time of day may influence your temperature. Other variations may be due to the location of the temperature reading. Oral and ForeTemp's temperatures follow the guidelines previously described. A rectal temperature is generally 1.0°F (0.5°C) higher. Conversely, an axillary (under the arm) temperature will be 1.0°F (0.5°C) lower.

## Product Features



## General Care & Information

- Never use for purposes other than body temperature measurement.
- Only use under the supervision of an adult. Never leave the thermometer with unattended infants or children.
- Do not use if there are signs of damage to the probe, lens or thermometer.
- Do not attempt to disassemble the thermometer, except to replace the battery.
- Protect your thermometer from extreme temperatures, direct sunlight, dust or severe impact or shock. Keep stored in storage stand with the protective cap firmly attached.
- Remove the battery if the thermometer will not be used for an extended period of time.
- The thermometer is not water proof or water resistant. Do not expose to water or immerse the unit in water.
- If the thermometer has been stored at below-freezing temperatures, allow the thermometer to warm naturally to room temperature before using.
- Performance of the device may be degraded if: operated outside of stated temperature and humidity range; stored outside of stated temperature and humidity range; thermometer undergoes mechanical shock (drop); patient temperature is below ambient (room) temperature.
- The thermometer will automatically shut off after approximately 1 minute.

**NOTE:** Performance of the device may be degraded if: operated outside of stated temperature and humidity range; stored outside of stated temperature and humidity range; thermometer undergoes mechanical shock (drop); patient temperature is below ambient temperature.

## Important Guidelines

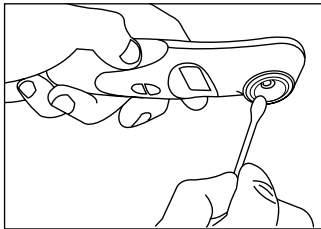
- 1) For best results, the thermometer should be in the room where the measurement will take place 20-25 minutes prior to measurement. The patient should be in the same room at least 5 minutes (15-20 minutes preferably) before the measurement.
- 2) Clean the forehead from sweat, makeup, etc. at least 5 minutes before the measurement.
- 3) Make sure that forehead has not been covered by bandages, hats, hair, wigs, etc. prior to or during the measurement.
- 4) Sweat reduces forehead temperature. In instances where the patient is sweating, it is recommended to scan the area behind the earlobe instead of the forehead. See "Taking a Reading" section for instructions.
- 5) Avoid taking a measurement for 30 minutes after physical exercise, bathing or eating.
- 6) To avoid erroneous readings, minimize the time from when the thermometer reads "READY" to scanning the forehead.
- 7) Prior to taking a reading or during a reading, avoid any cooling or heating methods directed towards the forehead such as direct sunlight, fireplace heat, air conditioning, room fans, hot or cold compresses. These agents will adversely affect the reading.

## Cleaning

To ensure accurate measurements, keep the probe lens clean and free of scratches.

### To Clean:

- Using an alcohol swab or soft cotton swab moistened with alcohol (70% Isopropyl), carefully wipe the probe tip and lens. Make sure not to saturate the unit. Do not use paper towels as the fibers may scratch the lens.
- Make sure that liquid does not enter the interior of the thermometer.
- Never use abrasive cleaning agents, thinners or gasoline for cleaning.
- Do not immerse into water or other cleaning liquids.



The ForeTemp thermometer is not waterproof or water resistant!

## Taking a Reading

*Please read "Important Guidelines" prior to taking a reading.*

**Remember!** ForeTemp readings are comparable to oral temperature readings.

### Before the measurement:

- Has the thermometer been in the room 20-25 minutes where the measurement will take place?
- Has the patient been in the same room prior to measurement at least 5 minutes (15-20 minutes preferably)?
- Is the forehead clean? No hair, bandages, makeup over the area to be scanned?

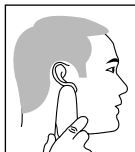
- 1) Remove the protective cap.
- 2) Press and release the POWER button. In a few seconds, the unit will beep.
- 3) The room temperature with a flashing "r" and the words "READY" will display, Fig. 1.



4) IMMEDIATELY position the probe against the forehead above either eyebrow towards the hairline, *Fig 2*.



*Fig 1*



*Fig 2*

A) Or, if the patient is sweating, IMMEDIATELY position the probe against the small indented area just behind the ear lobe, *Fig 2a*. (Skip to 6)

5) Keeping the probe flat against the forehead, SLOWLY and GENTLY slide the probe towards the temple (close to the hairline) circling above the eyebrow and SLOWLY and GENTLY back towards the other temple, *Fig 3*. You may hear a series of soft “clicking” sounds.



*Fig 3*

6) Within approximately 3-6 seconds, the unit will beep and the temperature will be displayed, *Fig 4*.



*Fig 4*

7) The display will perform a “countdown” starting at 9 and ending at 1 with a “beep”. The words “READY” will appear, *Fig 5*. The thermometer is ready to take a new measurement or to access to the Memory feature.



*Fig 5*

8) The thermometer will automatically shut off after approximately 1 minute.

**NOTE:** Although readings can be taken consecutively (after approximately 10 seconds), it is recommended to wait at least 2 minutes between measurements because of the sensitivity of the thermometer. Always start repeated measurements in the same location.

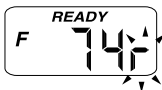
**IMPORTANT:** Once the thermometer reads “READY”, it will begin to sense temperature at a distance. Therefore it is very important to minimize the time when the thermometer reads “READY” to scanning the forehead.

## Using the Memory Feature

The ForeTemp Thermometer stores up to 8 measurements for 64 hours after each temperature is taken. However, it is only the LAST reading BEFORE the thermometer turns off that is stored into memory.

**To use the Memory function:**

1) Press and release the POWER button. In a few seconds, the unit will beep. The room temperature with a flashing “r” and the words “READY” will display, *Fig 1*.



*Fig 1*



2) Press the MODE button. The last stored measurement will display, *Fig 2*. Release the button. The number of hours since the reading was taken will display, *Fig 3*.



*Fig 2*

3) Continue to press MODE to view the next previously stored measurement. Release the button between each press to view the elapsed time.



*Fig 3*

**NOTE:** The Memory feature is only accessible when the unit is “on”. It is not accessible during the “countdown” mode. Wait until the display reads “READY” to enter into the Memory feature.

## Changing Modes

The ForeTemp can display temperature readings in either Fahrenheit or Celsius. To switch between °F and °C, the unit needs to be switched “off” (automatic shut off feature takes approximately 1 minute):

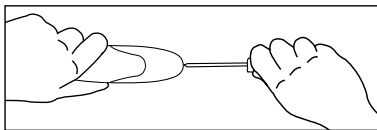
- 1) Press the MODE button. F or C will display for approximately 5 seconds indicating the current mode.
- 2) To change, press the MODE button for a second time. The new mode (F or C) is selected and will display for approximately 5 seconds.

## Replacing the Battery

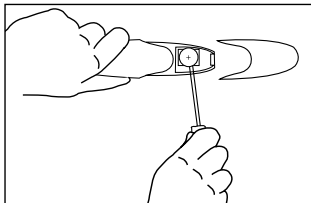
Your ForeTemp Thermometer requires one 3V lithium battery type CR2032. The approximate battery life is five years. The battery needs to be replaced when the low battery symbol appears on the display.

### To replace the battery:

- 1) Use a screwdriver to loosen the screw from the battery cover, *Fig 1*.
- 2) Carefully remove the battery and insert the new battery with the positive (+) side facing up. Make sure that the battery snaps into place, *Fig 2*.
- 3) Replace the battery cover and tighten the screw.








*Fig 1*



*Fig 2*

**NOTE:** Used batteries should be disposed of properly away from children and heat.

# Troubleshooting

| Display Symbol   | Condition/Cause  | Corrective Action  |
|--|--|--|
|  | A general function failure.  | Reset the thermometer by pressing the "POWER" and "MODE" buttons simultaneously for 3 seconds. If continues to fail, send thermometer in for repair.   |
|  | Room temperature is too high or too low.                           | Move thermometer to a room with a temperature range of 60.8°F–96.8°F (16°C–36°C). Wait 30 minutes before retaking a temperature.   |
|  | Measurement is above or below the normal temperature range.        | Retake temperature following steps in "Taking a Reading".  |
|  | Battery voltage is low. Only a few more measurements can be taken. | Replace the battery.   |
|  | Battery voltage is low. No measurement allowed.                    | Replace the battery immediately.   |
| Blank Display  | No function/no response.   | <ol style="list-style-type: none"> <li>1) Reset the thermometer by pressing the "POWER" and "MODE" buttons simultaneously for 3 seconds.</li> <li>2) Replace the battery.</li> <li>3) If continues to fail, send thermometer in for repair.</li> </ol> |

## Product Specifications

|                                |   |
|--------------------------------|---|
| <b>Name and model number</b>   | ForeTemp Forehead Thermometer, 18-575-000                         |
| <b>Display system</b>          | Liquid Crystal Display  |
| <b>Accuracy</b>                | $\pm 0.4$ °F ( $\pm 0.2$ °C)                                      |
| <b>Measuring range</b>         | 94.3°F – 108.3°F (34.6°C – 42.4°C)                                |
| <b>Ambient operating range</b> | 60.8°F – 96.8°F (16.0°C – 36.0°C)                                 |
| <b>Humidity</b>                | Up to 95%, noncondensing  |
| <b>Storage temperature</b>     | -4.0°F – 122.0°F (-20.0°C – 50.0°C)                               |
| <b>Humidity</b>                | Up to 95%, noncondensing, for a period of one month               |
| <b>Memory</b>                  | Up to 8 measurements for 64 hours after each temperature is taken |
| <b>Battery</b>                 | 1 each, 3V lithium CR2032 battery                                 |
| <b>Dimensions</b>              | 6-1/8" x 1-5/8" x 1-7/16"   |
| <b>Weight</b>                  | With battery, 2.6 oz. (74 grams)                                  |
| <b>Accessories</b>             | Storage stand, protective cap, instruction manual                 |
| <b>Standards</b>               | Manufactured to meet ASTM E-1965-98 standard.                     |