

Digital Thermometer

User Manual

EMT-021

INTENDED USE

The Easy@Home Digital Thermometer EMT-021 is intended for measuring and monitoring human body temperature. It is suitable for both hospital and home use.

FEATURES

1. Large LCD displays the measured temperature.
2. Memory function shows the last measured temperature on the LCD display.
3. Alarm beep indicates the peak temperature.
4. Self-test and power automatic shut-off.
5. Quick temperature response and high accuracy ($\pm 0.2^{\circ}\text{F}/\pm 0.1^{\circ}\text{C}$).
6. Compares to mercury thermometer minus the problems of both mercury pollution and possible broken glass.

SPECIFICATIONS

Product Name	Easy@Home Digital Thermometer
Applied Models	EMT-021
Measure time	45 seconds on average (Oral Measurement)
Measurement Range	89.6-109.2°F (32.0-42.9°C)
Low ambient temperature display	Temperature < 89.6°F (32.0°C) display: Lo°F (Lo°C)
High ambient temperature display	Temperature > 109.2°F (42.9°C) display: Hi°F (Hi°C)
Accuracy	$\pm 0.2^{\circ}\text{F}$ 95.0-102.2°F ($\pm 0.1^{\circ}\text{C}$ 35.0-39.0°C)
Resolution	0.1°F or 0.1°C
Sensor Type	Thermistor

Display type	Liquid Crystal Display
Memory	The last measured temperature is shown on LCD Display
Service Life	Estimated 5 years under normal operation and storage
Alarm	Approx. 10 seconds of Bi sound while peak temperature is stable
Working Environment	Temperature: 41~104°F (5~40°C) Humidity: 15% to 85% RH 86 Kpa to 106 Kpa
Storage Environment	Temperature: -4~131°F (-20~55°C) Humidity: $\leq 85\%$ RH 86 Kpa to 106 Kpa
Battery life	Approx. 100 hours for continuous operation. Or approx. 18 months if used 10 minutes daily.
Power consumption	About 0.15 MW
Applied part type:	Type BF applied part
IP classification	IP22 (IP22: The first number 2: Protected against access to hazardous parts with a finger, and the jointed test finger of 12 mm Φ , 80 mm length, shall have adequate clearance from hazardous parts. And protected against solid foreign objects of 12.5 mm Φ and greater. The second number: Protected against vertically falling water drops when enclosure tilted up to 15°. Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical.
Mode of operation:	Continuous operation

HOW TO USE

1. Press On/Off button then the LCD will display 188.8°F (188.8°C) for 2 seconds. Then it will show the last measurement. Wait until °F or °C flashes, then start measuring.
2. If the environmental or ambient temperature is higher than 109.2°F (42.9°C), LCD will display Hi°F (Hi°C). If lower than 89.6°F (32.0°C), it will display Lo°F (Lo°C). In this case, you will be unable to test until the surrounding environmental temperature is in the ideal range.
3. Use alcohol to disinfect the probe then choose the method you prefer to measure:
 - 3.1. Oral use: Place the probe under tongue and close the mouth for approximately 45 seconds to finish a measurement. Normal temperature range for an adult is 97.3 ° F~98.9 ° F (36.3°C~37.2°C), as it applies to an oral read.
 - 3.2. Auxiliary use: Wipe armpit with dry towel then place the probe in armpit firmly for approximately 45 seconds to finish a measurement. Normal temperature

range for an adult is 96.8 ° F ~98.6 ° F (36°C~37°C), as it applies to an auxiliary read.

- 3.3.** Rectal use: Lubricate the probe with water-soluble jelly such as K-Y jelly. Do not use petroleum jelly like Vaseline for easier insertion because this will adversely affect the accuracy of the result. Insert the probe into rectum about 1/2 inch at most (**ensure not too deep to avoid injury**) for about 45 seconds to complete the measurement. Normal temperature range for an adult is 97.7 ° F ~99.8 ° F (36.5°C~37.7°C), as it applies to rectal read.

4. A “Bi Bi Bi Bi” alarm indicates the completion of the measurement.

- 4.1.** The power will be shut off automatically if there is no temperature rising for 10 minutes.

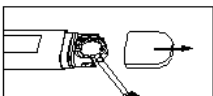
5. Replace the battery :

- 5.1.** Suitable for EMT-021

The battery in your Easy@Home digital thermometer needs to be replaced when “ T ” symbol appears in the corner of the display screen.

To replace the battery

- 5.1.1.** Push or slide the battery cover away from the unit.



- 5.1.2.** Use a non-metal pointed tool to remove the battery and insert the new battery with the positive (+) side facing up.

- 5.1.3.** Carefully slide the battery cover back into place.

Notes:

- 1.** Using the probe may result in 0.2°F (0.1°C) difference from real temperature.
- 2.** It is suggested to stay with the same measurement method. This means- especially not take oral or armpit measurements after taking rectum temperatures for hygienic reasons.

6. Definition of Display Symbols

 Reading Display

 Celsius Display

 Fahrenheit Display

 Low Battery Indicator

PRECAUTIONS

- 1.** Do not bite, bend or dismantle the thermometer.
- 2.** Keep the device out of the reach of children/pets to avoid inhalation or swallowing of small parts.
- 3.** Do not expose the device to direct sunlight, high temperature or moisture.
- 4.** Do not sterilize the device. Prevent saliva or cleaning solution from penetrating the display window.
- 5.** Clean the thermometer before and after use with soft cloth and a cleaning solution and store in the plastic case. It is recommended to wipe with an alcohol pad for home use.
- 6.** If the LCD display shows the low battery symbol or is not a clear visual as usual, it means the battery may be running out. Please be sure to replace the battery before next use in this case.

WARNINGS

- 1.** Do not perform maintenance while the thermometer is in use.
- 2.** Device is not for use in an OXYGEN-RICH ENVIRONMENT.
- 3.** Before every use, check the device. Do not use a damaged device or electrode. The continuous use of a damaged unit may cause inaccurate results or bodily injury.
- 4.** If you have any inquires or concerns about the device, such as setting up, maintaining or using it, please contact our Customer Service Team.
- 5.** Do not open or repair the device by yourself.
- 6.** The main material of the case is ABS and the main material of the cuff is nylon. Be cautious of potential allergic reactions to these materials.
- 7.** The typical service life of an unused new battery is 100 hours continuous operation.
- 8.** Protection against electric shock: built-in powered ME equipment.
- 9.** Protection against harmful ingress of water or particulates: IP22.

Note:

Any solution, dilution or methods other than mentioned above might cause reliability problems with the thermometer.

Users should measure, change batteries under normal circumstances, and maintain the device and its accessories according to the user manual.

LIMITED WARRANTY

This thermometer is guaranteed for 1 year from the purchasing date under normal use. The warranty does not cover the damage of improper use or the battery running out.

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Questions or comments?

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