

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. A "Bi Bi Bi" alarm will sound three times in a row for 10 times to indicate a high temperature, for a total of 30 beeps.
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	25 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	A "Bi Bi Bi" alarm will sound a total of ten times indicating the completion of the temperature in the normal range. A "Bi Bi Bi" alarm will sound three times in a row for 10 times to indicate a high temperature, for a total of 30 beeps.
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 type	Button type zinc-manganese dioxide alkaline batteries (1.5V LR41)
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, a fullscreen display is as below:



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). After turning on the thermometer, it will display below

symbols in sequence: 188.8°F/°C, the last measurement (if the last temperature is lower than 89.6°F /32.0°C, it will be a Lo°F/Lo°C), the default setting temperature 98.6°F or 37 °C, then the current temperature of the flexible tip with a flickering °F/°C (if the ambient temperature is lower than 89.6°F /32.0°C, it will be a Lo with a flickering °F/°C) to indicate you are ready to test.

NOTE: The Lo with a flickering °F/°C is not an indication of low battery. A true low battery symbol is an empty flickering battery. When the environment or ambient temperature is higher than 109.2°F(42.9°C), LCD will display Hi °F(Hi °C), in this case, you may need to wait till the temperature is lower than 109.2°F(42.9°C) to take.

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 25 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. Axillary use: Wipe armpit with dry towel then place the probe in armpit firmly for approximately 25~37 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 25 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" alarm will sound a total of ten times indicating the completion of the temperature in the normal range.

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

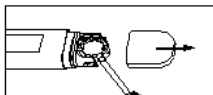
5. Replace the battery :

5.1. Suitable for EMT-021

The battery in your Easy@Home digital thermometer needs to be replaced when "  " symbol flash 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. 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.
2. Press the power button for approximately 10 seconds until the unit flickers in the shutdown state. Then, release the power key and then quickly press the power key again for a short time to switch between Fahrenheit and Celsius. Finally, turn the power button off and then back on, and the switch is successful.

6. Definition of Display Symbols

 Reading Display

 Fahrenheit Display

 Celsius 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. The device is not for use in an OXYGEN-RICH ENVIRONMENT.
3. Before each use, check the device. Do not use a damaged device or device with damaged electrical wiring. The continuous use of a damaged unit may cause inaccurate results or bodily injury.
4. If you have any inquiries 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. Be cautious of potential allergic reactions to this 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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