easy@Home®

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USER MANUAL

DIGITAL THERMOMETER

EMT-026

easy@Home®

FLEXIBLE DIGITAL THERMOMETER

Model:EMT-026

Warning:

⚠ Read instructions thoroughly before using the digital thermometer.

⚠ Choking Hazard: Thermometer cap and battery may be fatal if swallowed. Do not allow children to use this device without parental supervision.

⚠ Do not use thermometer in ear. Designed use is for oral, rectal, and armpit (axilla) readings only.

⚠ Do not place the thermometer battery near extreme heat as it may explode.

⚠ Note: Use of the probe cover may result in a 0.2℉(0.1℃) discrepancy from actual temperature.

⚠ It is recommended to have a performance check every two years.

⚠ Remove the battery from the device when not in operation for a long time.

⚠ The use of temperature readings for self-diagnosis is dangerous. Consult your doctor for the interpretation of results. Self-diagnosis may lead to the worsening of existing disease conditions.

⚠ Do not attempt measurements when the thermometer is wet. Doing so may result in inaccurate readings.

⚠ Do not bite the thermometer. Doing so may lead to breakage and/or injury.

⚠ Do not attempt to disassemble or repair the thermometer. Doing so may result in inaccurate readings.

⚠ After each use, disinfect the thermometer especially in case the device is used by more than one person.

⚠ Do not force the thermometer into the rectum. Stop insertion and abort the measurement when pain is present. Failure to do so may lead to injury.

⚠ Do not use thermometer orally after being used rectally.

⚠ For children who are two years old or younger, please do not use the devices orally.

PLEASE READ CAREFULLY BEFORE USING

This digital thermometer provides a quick and highly accurate reading of an individual's body temperature. The digital thermometer is intended to measure the human body's temperature in regular mode orally, rectally or under the arm, and the device is reusable for clinical or home use on people of all ages. To better understand its functions and to provide years of dependable results, please read all instructions first.

This appliance conforms to the following standards:

ASTM E1112 Standard Specification for Electronic Thermometer for Intermittent Determination of Patient Temperature,

ISO 80601-2-56 Medical electrical equipment —Part 2-56:Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement,

IEC 60601-1-11 Medical electrical equipment —Part 1-11: General requirements for basic safety and essential performance –Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment and complies with the requirements of IEC 60601-1-2(EMC), AAMI/ANSI ES60601-1(Safety) standards. And the manufacturer is ISO 13485 certified.

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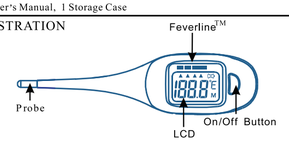
1 Thermometer, 1 Owner's Manual, 1 Storage Case

PRODUCT ILLUSTRATION

Figure 1



PRECAUTION

* The performance of the device may be degraded should one or more of the following occur:
  - Operation outside the manufacturer's stated temperature and humidity range.
  - Storage outside the manufacturer's stated temperature and humidity range.
  - Mechanical shock (for example, drop test).
  - Patient temperature is below ambient temperature.
* Portable and mobile RF communications can affect the device. The device needs special pre-cautions regarding EMC according to the EMC information provided in the accompanying documents.

SYMBOL EXPLANATION

⎓	Direct Current	LOT	Batch code
	Type BF Applied Part		Manufacturer
	Consult Accompanying Documents		

SPECIFICATIONS

Type:	Digital Thermometer (Not Predictive)
Measure Range:	89.6℉-109.2℉(32.0℃－42.9℃)(℃/℉ chosen by user)
Accuracy:	±0.2℉(±0.1℃) during 95.9℉~107.6℉(35.5℃~42.0℃) at 64.4℉~82.4℉ (18℃~28℃) ambient operating range ±0.4℉(±0.2℃) for other measuring and ambient operating range
	Procedures for determining the accuracy of the thermometer are available upon request.
Operating mode:	Direct Mode
Test time:	10~15 seconds (Oral Measurement)
Display:	Liquid crystal display, 3 1/2 digits, with backlight
Memory:	LAST 10 MEMORY
Battery:	One 3.0V DC button battery type CR2032
Battery life:	Approx 40 hours
Dimension:	5.31in* 1.34in*0.67in (L * W *H)
Weight:	Approx. 26 grams including battery
Ambient operating range:	Temperature: 41℉ ~ 104℉(5℃ ~40℃) Relative humidity: 15%~95%RH
Storage and transportation condition:	Temperature: -4℉ ~ 131℉(-20℃~55℃) Relative humidity: 15%~95%RH
Ingress Protection Rating:	IP 27
Classification:	Type BF
Service life:	3 years (Please refer to the box for production date and batch information)

FEVERLINE™ INDICATING TECHNOLOGY

This digital thermometer is equipped with Feverline Indicating Technology to instantly and easily identify when a fever is present. At the completion of each measurement, the triangular arrow on the display will indicate whether the user has no fever, a slight fever, or a high fever.

Temperature	Result	Color of Feverline
T<96.4℉(T<35.8℃)	Low temperature	No Indication
96.4℉≤ T<99.1℉ (35.8℃≤ T<37.3℃)	No fever	Green
99.1℉≤ T<100.0℉ (37.3℃≤ T<37.8℃)	Slight Fever	Yellow
100.0℉≤ T<102.2℉ (37.8℃≤ T<39.0℃)	Middle Fever	Left part of Red
T≥ 102.2℉(T≥ 39.0℃)	High Fever	Right part of Red

℃/℉ SWITCHABLE

Temperature readings are available in Celsius or Fahrenheit (℃/℉;located in the upper right corner of LCD.). With the unit off, press and hold the On/Off Button for approximately 3 seconds to change the unit. The backlight display will briefly light up and also beep. Then the display will show the current scale ℃ or ℉, followed by the last temperature or---℃ or ---℉ (if no reading is stored in memory). After this, the thermometer will be in the testing mode.

DIRECTIONS

1. Press the On/Off Button next to the LCD display to turn on the unit. The display will briefly shows 88℃ with backlit and beep tone. Followed by last temperature or---℃ or ---℉ (if no reading is stored in memory), the thermometer is now in the testing mode.

*Note: If the measured temperature is less than 89.6℉ or 32.0℃, the LCD will display---℃ or ---℉. if the measured temperature is higher than 109.2℉or 42.9℃, the LCD will display Hi.

2. Position thermometer in desired location (mouth, rectum, or armpit.)
   a) Oral Use: Place thermometer under the tongue as indicated by " √ " position shown in Figure 2. Close your mouth and breathe evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air. Normal temperature is between 96.3℉ and 99.1℉ (35.7℃ and 37.3℃).

Figure 2

   b) Rectal Use: Lubricate the metal probe tip with petroleum jelly for easy insertion. Gently insert sensor approximately 1cm (less than 1/2 ") into rectum. Normal temperature is between 97.2℉ and 99.9℉(36.2℃and 37.7℃).
   c) Armpit Use: Wipe armpit dry. Place probe in armpit and keep arm pressed firmly at side. From a medical viewpoint, this method will always provide inaccurate readings, and should not be used if precise measurements are required. Normal temperature is between 95.4℉ and 98.1℉ (35.2℃ and 36.7℃).
3. When the peak temperature has been reached, the ℃ or ℉ will stop flashing and the thermometer will sound a series of beeps. The minimum measurement time until the signaling tone (beep) stops must be maintained without exception.

*Note: Normally the buzzes are " Bi-Bi-Bi-Bi-" ; Alarm beeps more rapidly when temperature reaches 100℉ (37.8℃) or higher ,and the buzzers are" Bi-Bi-Bi----- Bi-Bi-Bi------- Bi-Bi-Bi"

4. To prolong battery life, press the On/Off Button to turn unit off after testing is complete. If no action is taken, the unit will automatically shut off after around 5 minutes.
5. After the test is complete (once the beeping stops), keep the thermometer powered on; hold the On/Off Button for 3 seconds, the display will show "1M" entering into memory mode. Press the On/Off Button to scroll through memory.
   To turn the unit off, long press the On/Off Button for about 3 seconds or the unit will automatically shut off after approximately 5 minutes if not in use.
6. Store the thermometer in its storage case.

BATTERY REPLACEMENT

1. Replace battery when " " appears in the upper right corner of LCD display.
2. Use a coin to open the battery chamber cover. Turn counter-clockwise until the cover is off. (See Figure 3)
3. Remove the exhausted battery from the battery holder (See Figure 4). Discard battery according to local law.
4. Place a new 3.0V DC button battery type CR2032 into the chamber with positive side facing up. (See Figure 5)
5. Put the cover back and lock it clockwise until the " " meets " ◀ " . (See Figure6)

Figure 3

Figure 4

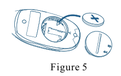


Figure 5

Figure 6

CLEANING AND DISINFECTION

Wipe the thermometer with a soft clean cloth.

For stubborn stains, wipe the thermometer with a cloth that has been dampened with water or a neutral detergent solution and then rinse thoroughly. Finish by wiping with a soft dry cloth.

For disinfection, 70% Ethanol or Isopropyl alcohol can be used.

Observe the following to prevent damage to the thermometer.

-Do not use benzene, thinner, gasoline or other strong solvents to clean the thermometer.

-Do not attempt to disinfect the metal tip of the thermometer by immersing in alcohol or in hot water (water over 122℉(50℃)).

-Do not use ultrasonic washing to clean the thermometer.

FCC INFORMATION

Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

*Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

LIMITED WARRANTY

THE THERMOMETER IS GUARANTEED FOR ONE YEAR FROM THE DATE OF PURCHASE. If the thermometer does not function properly due to defective components or poor workmanship, we will repair or replace it free of charge. All components are covered by this warranty excluding the battery. The warranty does not cover damages to your thermometer due to improper handling. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required.

Dispose of the thermometer and the used battery according to local law and regulations.

Manufactured for Easy Healthcare Corporation

Made in China

Electromagnetic Compatibility Information

The device satisfies the EMC requirements of the international standard IEC 60601-1-2. The requirements are satisfied under the conditions described in the table below. The device is an electrical medical product and is subject to special precautionary measures with regard to EMC which must be published in the instructions for use. Portable and mobile HF communications equipment can affect the device. Use of the unit in conjunction with non-approved accessories can affect the device negatively and alter the electromagnetic compatibility. The device should not be used directly adjacent to or between other electrical equipment.

Table 1

Guidance and declaration of manufacturer-electromagnetic emissions		
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	The device uses RF energy only for its internal function. Therefore, its emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	N/A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	N/A	

Table 2

Guidance and declaration of manufacturer-electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.			
IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environm entguidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrostatic transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	N/A	
Surge IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	N/A	
Voltage dips, short interrupti-ons and voltage variations on p-ower supply in-put lines IEC 61000-4-11	<5% UT (>95% dip in UT) for 0.5 cycle 40% UT (60% dip in UT) for 5 cycle 70% UT (30% dip in UT) for 25 cycle <5% UT (>95% dip in UT) for 5 secretary	N/A	
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteric of a typical location in a typical comme-rcial or hospital environment.

Table 3

Guidance and declaration of manufacturer-electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.			
IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environmentguidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 Mhz	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended seperation distance $d=[\frac{3.5}{E_1}]\sqrt{P}$ 80 MHz to 800 MHz $d=[\frac{7}{E_1}]\sqrt{P}$ 800 MHz to 2.5 Ghz where P is the maximum output power rating of the transmitter in watts (W) according to the transm-itter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 Ghz	3 V/m	

Table 4

Recommended separation distances between portable and mobile RF communications equipment and the device		
The device is intended for use in an electromagnetic environment in which radiated therefore disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment.		
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m	
	80 MHz to 800 MHz $d=[\frac{3.5}{E_1}]\sqrt{P}$	800 MHz to 2.5 GHz $d=[\frac{7}{E_1}]\sqrt{P}$
0.01	0.12	0.23
0.1	0.38	0.73
1	1.2	2.3
10	3.8	7.3
100	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE1 At 80 MHz and 800 MHz, the separation distance for the higer frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

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Any questions, please call toll-free:

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