

Digital Thermometer Instruction Manual

MT-F1251

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Thank you for purchasing Geon MT-F1251 Thermometer. This Geon thermometer is intended to measure human body temperature either in the mouth (orally), the armpit (axillary) or the anus (rectally).

The device can be used by all persons, including children, elderly person & Patient. Handicapped persons and Children need assistance by another person to use the device. It is mainly designed for household use.

This thermometer offers a safe, accurate and quick temperature reading when used in accordance to the operating instruction manual. This thermometer eliminates any worries about broken glass or mercury hazards.



Please read this instruction manual thoroughly before using this unit. Please keep for future reference. Note that temperature readings are affected by many factors including physical exertion, the drinking of hot or cold beverages before measurement, as well as measuring technique.

Disregarding the information given in this instruction manual is considered to be abnormal use.



Important Safety Information

1. This device is only to be used for measuring human body temperature through oral, rectal or axillary.
2.  Do not use it for any other purpose.
3. Use of the device is not intended to be a substitute for consultation with your physician.
4. The device is for indoor use only. Please do not use the device under a noisy environment.
5. When the device is moved from the lowest storage temperature of -25°C to room temperature of 20°C, please wait for at least 10 minutes before using.
6. The device can be moved from the highest storage temperature of 55°C to room temperature of 20°C for immediate use.
7. Warning against servicing and maintenance while the equipment is in use
8. After showering, exercising, eating or drinking, wait for 30 minutes before you intend to measure your temperature.
9. When inserting the unit (for oral or rectal use), insert it gently.
10. Do not boil the probe. Instead clean this device according to the cleaning instructions.
11. Do not expose the unit to direct sunlight or high temperatures.
12. Do not bend the unit out of shape.
13. Do not bite or pull the unit. Doing so may lead to breakage and/or injury.
14. Do not use this device close to strong electromagnetic fields such as mobile telephones or radio installations. Keep a minimum distance of 0.3 m (30cm) from such devices when using this device. This may result in incorrect operation of the device and/or cause an inaccurate reading.
15. Keep the thermometer out of reach of children
16. If it displays "Err", it means the unit does not work properly. Please contact your retailer.



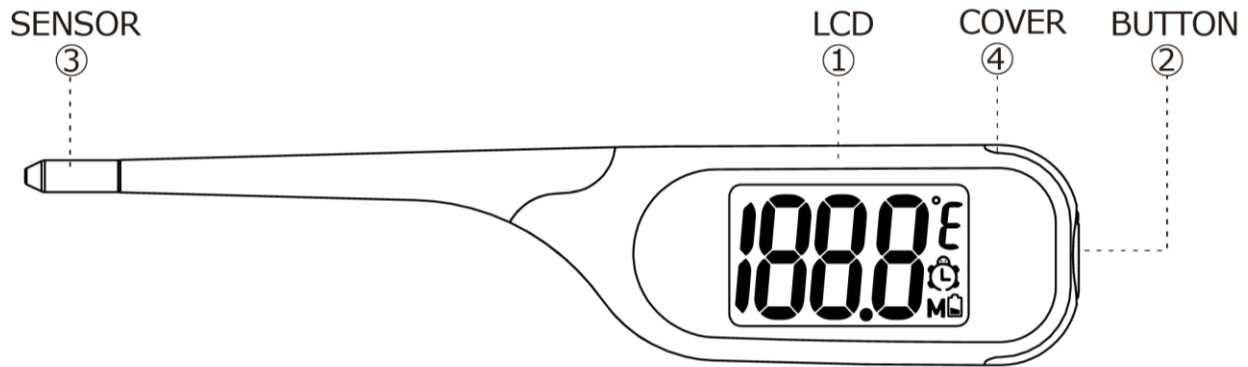
WARNING: Do not diagnose or treat yourself based on your temperature readings.

ALWAYS consult with your physician.

⚠ **WARNING:** Keep out of reach of children and do not leave children alone during use; some parts are small enough to be swallowed.

⚠ **WARNING:** No modification of this equipment is allowed.

PARTS DESCRIPTION



OPERATION

Prediction Mode

1. Press the button ②, the LCD window ① will display 188.8 indicator for approx. 2 seconds.
2. After switching on, the thermometer will display the last memorized value with the “M” icon for approx. 2 seconds.
3. The LCD window ① will then display “Lo”, which means you can start to measure the temperature.
4. While the temperature is being measured, the “°C” mark will permanently flicker during the measuring time. The measuring time will depend on the ambient temperature, the patient temperature and the quality of the contact between the sensor and the tissue or skin. Typically, it takes 10 seconds approx.
5. After the measurement, the °C mark will stop flickering and you will hear two beep sounds which means the measurement is finished.
6. After measuring, the measured temperature will be indicated on the LCD window ① until you switch off the thermometer.
7. To prolong the life of the battery, please switch off the thermometer after use by pressing the button ②, otherwise the thermometer will switch off automatically after 8 minutes. When the thermometer is turned off, you will hear a short beep sound.
8. For re-measurement, please wait for 1 minute, then turn on the thermometer again.

Real Mode

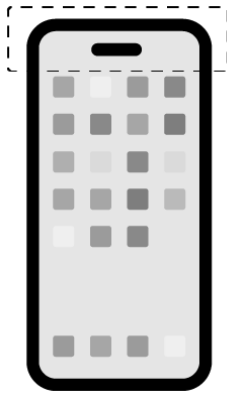
1. After the predictive measurement is finished, if you do not take the thermometer out from the measurement site, it will enter real mode after 15 seconds. At this time, the real mode mark “” will appear and real temperature value will be shown on the LCD.
2. Under this mode, if you do not take the thermometer out, after 5 minutes, you will hear two beep sounds which means the measurement is finished.
3. Please switch off the thermometer after use by pressing the button ②, otherwise the thermometer will be shut off automatically after 3 minutes.

⚠ While body temperature reaches 37.8°C, the fever alarm of 8 short “bi” sound will come out.

⚠ If the ambient temperature is higher than 32°C, the LCD will start to display digits after power on. Please use water-soaked clothe to cool the sensor, then start the measurement again.

NFC Transferring Measured Values to APP

1. Download the Geon Healthcare App from Google Play or the Apple Store.
2. Once the measurement is complete, place your smartphone over the NFC sensor area on the thermometer(see ② and ③). Make sure the sensor area is within the effective reading zone of your smartphone (see ①). The measured value will automatically transfer to the app. Please note that the NFC transfer function is supported on iOS devices that meet the following requirements:
 - 1 iPhone 7 or later model
 - 2 iOS version 11.0 or higher



① Effective reading zone



② NFC sensor area



③ Place smart device over ②

⚠ NCC 警語：

「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」

⚠ FCC Warning：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Body temperatures in the morning (lower) will be different from that in the afternoon (higher). So, please measure your body temperature in the same place and at the same time of day.

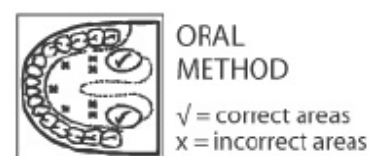


Fig. 1

Method	Measuring Time	Normal Temperature Range	Remark	Gesture Advice
ORAL	10 seconds approx.	35.5°C ~ 37.5°C or 95.5°F ~ 99.5°F	The mouth should remain closed up to 5 minutes before measurement. Place the sensor under tongue. Sensor tip should touch the root of tongue so that it rests to the left or right of the root of the tongue. Hold the thermometer in the same spot with your mouth closed. Do not shift the thermometer during measurement.	
RECTAL	10 seconds approx.	36.6°C ~ 38.0°C or 99.9°F ~ 100.4°F	This is the most reliable measurement method. Lubricate the probe with non-irritating skin-friendly gel for easier insertion. Gently slide the probe about 1 cm (less than 1/2 inch) into the rectum. If you detect resistance of any kind, STOP.	
AXILLARY (UNDERARM)	10 seconds Approx.	34.7°C ~ 37.3°C or 94.5°F ~ 99.1°F	Wipe the underarm with a dry towel. Place the measuring sensor under the arm into the center of the armpit so the tip is touching the skin and position the patient's arm next to the patient's body. This ensures that the room air does not affect the reading. Because the axillary takes more time to reach its stable temperature wait at least 5 minutes, regardless of the beep sound.	

 If you potentially get a fever and intend to measure your temperature with oral or axillary (underarm) method, please make sure that you follow instructions in the section of 「 PRECAUTIONS FOR USE」.

 Note that temperature readings are affected by many factors including physical exertion, the drinking of hot or cold beverages before measurement, as well as measuring technique.

°C/°F SWITCH

To switch between °C and °F, press and keep pressing the button ② for 5 seconds when power off, then the LCD window will show the default unit. Press the button ② again to switch the unit.

ERROR INDICATIONS

Error signals	Problems & Solutions
	P: If the temperature is more than 43°C/109.4°F, the LCD displays “Hi”. S: Recheck the measured object before measuring.
	P: If the temperature is below 32°C/89.6°F the LCD will keep displaying “Lo”. S: This is not an error indication. Please start the measurement directly.
	P: Informing battery replacement time. S: Replace the battery.
	P: If the thermometer has some problems and can't measure temperatures, the LCD will display “Err”. S: Send the thermometer back to your retailer or the store you bought.

CLEANING AND MAINTENANCE

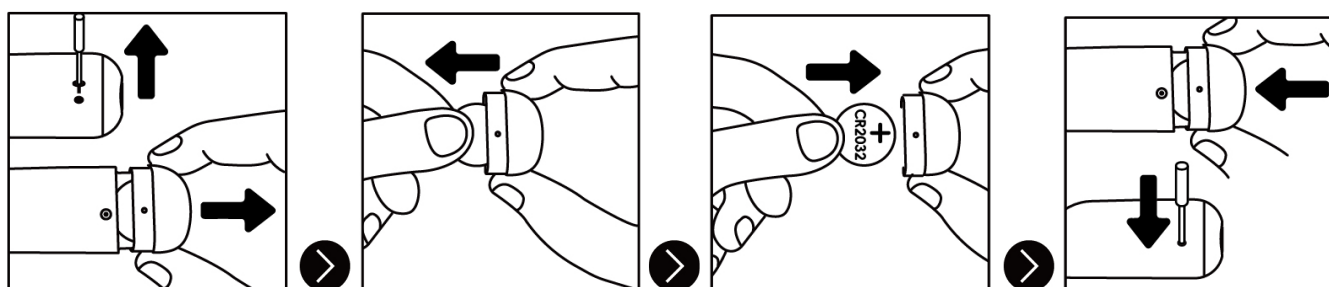
1. When continuous re-measurements are required, clean and disinfect the unit by medical alcohol (75%) max. for 1 minute, then wipe it with clean and dry cloth (medical cotton) before each use.
2. We recommend verifying the accuracy of the unit by an authorized laboratory every 2 years or after mechanical impact (e.g. being dropped).

BATTERY REPLACEMENT

When the battery symbol  is displayed on the LCD screen, please follow the instructions below to replace the battery.

1. Remove the screws and slide back the battery cover.
2. Carefully remove the battery from its holder.
3. Insert a new battery (CR2032) with the “+” symbol at the top.
4. Replace and screw the battery cover.





- ⚠ Do not swallow a battery, which may be fatal.
- ⚠ Do not dispose of the battery in fire as it may explode.
- ⚠ Do not attempt to disassemble the unit except to replace the battery.
- ⚠ Pay attention to polarity (+/-) when replacing the battery. Failure to do so may lead to fluid leakage, heat generation or bursting, resulting in damage to the unit.
- ⚠ Remove the battery if not to be used for some time to avoid fluid leakage, heat generation or bursting, resulting in damage to the unit.

DISPOSAL

1. Please dispose of the product and the battery separately.
2. The product and the battery should not be disposed of with household waste.
3. Please follow local waste / battery disposal regulations.

EXPLANATION OF LOT NUMBER

The date of manufacture is included in the **LOT**. The **LOT** is composed of 6 numbers. The first and second numbers mean the year (00-99). The third number means the month (Jan. - Sep. :1-9, Oct.: A, Nov.: B, Dec.: C). The fourth and fifth numbers mean the date (1-31). And the last number means the batch of the month.

Example: **LOT** 201011

year date
 ↑ ↑
 month batch of the month

LIMITED WARRANTY

This thermometer is guaranteed for 2 years from the date of purchase against manufacturer's defect under normal use. If your unit does not function properly due to defective parts or assembly, we will repair it free of charge. All parts are covered by this warranty excluding the battery. The warranty does not cover damage to your unit due to improper handling.

APPLYING STANDARDS

1. MDD 93/42/EEC
2. IEC60601-1
3. IEC60601-1-2
4. EN ISO 80601-2-56
5. ASTM E1112
6. EN 12470-3:2000+A1:2009 Clinical thermometers – Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device

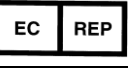
TECHNICAL SPECIFICATIONS

Type:	Digital Thermometer (non-predictive)	
Rated output range:	32.0°C ~ 43.0°C	89.6°F ~ 109.4°F
Laboratory accuracy:	±0.2°C - 32.0°C ~ 35.4°C ±0.1°C - 35.5°C ~ 42.0°C ±0.2°C - 42.1°C ~ 43.0°C	±0.3°F - 89.6°F ~ 95.7°F ±0.2°F - 95.9°F ~ 107.6°F ±0.3°F - 107.8°F ~ 109.4°F
	(when measured at a standard room temperature of 23°C (73.4°F) in the water bath)	
Display unit:	0.1°C	0.1°F
Operating mode:	Adjusted / Direct Mode	
Wireless communication	Near Field Communication (NFC)	
Storage (transport) condition:	-25°C ~ 55°C (-13°F ~ 131°F) / 15% - 90% RH	
Operation condition:	15°C ~ 40°C (59°F ~ 104°F) / 15% – 90% RH / 700 – 1060 hpa	
Battery:	3V DC, 1xCR2032 Lithium coin	
Battery life:	More than 200 hours of continuous operation	
Weight:	Approx. 22 grams including battery	
Dimensions:	134.4mm x 27.23mm x 14mm	
Applied part:	 type BF (sensor)	
Degree of protection from liquid and solid particle:	IP 22	
Expected service life	2 years	

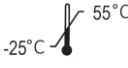
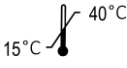
 If the thermometer is not used within the specified temperature and humidity ranges, the accuracy of the measurement cannot be guaranteed.

 This thermometer equipped with both adjusted and real modes. Under adjusted mode, the LCD displays the predicated temperature of the measuring site (oral or axillary or rectal) at the moments of the measure.

SYMBOL & EXPLANATION

	The CE mark and Notified Body Registration Numbers, the requirement of Annex V article 3 from Medical Device Directive 93/42/EEC are met.		Manufacturer
	Warning		Authorized representative in the European Community.

	Consult instruction for use.		Type BF applied part
IP 22	A coding system to indicate the degrees of protection provided by an enclosure against access to hazardous parts, ingress of solid foreign objects, ingress of water and to give additional information		The unit should not be disposed of with other household wastes at the end of its working life.

	in connection with such protection.		
	Storage (transport) temperature: -25°C ~ 55°C		Operation temperature: 15°C ~ 40°C
LOT	Batch code (reference label on the device)		

Please report to the manufacturer and competent authority of the Member State in which you are established about any serious incident that has occurred in relation to this device.



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