

# Smart Thermometer

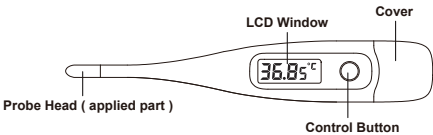
MODEL GAL05 Basal

This thermometer is conformed to all requirements of European Norm ISO 80601-2-56 and ASTM E 1112.

## 1. Intended use

The product is used to measure people's human body temperature at hospital and home. It is used for the temperature measurement oral, armpit and anus.

## 2. Schema of Thermometer



## 3. Specifications

3.1 Operating principle	Thermometer is designed on sensor's reaction to temperature
3.2 Measuring range	32.00°C ~ 43.99°C or 90.00°F ~ 110.99°F
3.3 Accuracy	± 0.05°C (± 0.10°F) within measurement range 35.00°C ~ 38.00°C (95.00°F ~ 100.40°F) ± 0.10°C (± 0.20°F) outside of this range ± 0.01°C or °F
3.4 Display resolution	± 0.01°C or °F
3.5 Power supply	1 Button Battery 3.0V CR1632 or similar (1500 measurements)
3.6 Weight / Dimensions	appr. 14.6g/ 137mm* 23mm* 11mm
3.7 Ambient operating temperature	5°C ~ 40°C or 41°F ~ 104°F at 15% ~ 90% RH
3.8 Storage / transportation temperature	-25°C ~ +70°C/ -13°F ~ +158°F at 15% ~ 90% RH
3.9 Atmospheric pressure	700 hPa -1060 hPa
3.10 Life time	5 years
3.11 Shelf life of battery	1 year ( non-use, at storage temperature of 20 ± 3°C)
3.12 Direct mode; time response 60sec; intermittent measurement; continuous operation	
3.13 Safe-Test Alarm/ 10 sets memory/ Beeper/ IP67	

## 4. How to switch between °C and °F (This function is only applicable in dual scale model)

- Turn off the thermometer first, Press the ON/OFF button 2 times (one right after another) to start the thermometer, and keep it pressed until full display finishes. The unit will change after full display.
- Symbol ( ) or ( ) appears after unit successfully changes, then release the ON/OFF button. Now, the thermometer is ready for temperature taking.

## 5. How to operate

- Press down ON/OFF button to start the thermometer. A full display ( ) ensures that LCD window is in good function.
- The next appearance ( ) signals normal operation after internal safe testing.If ( ) alerts its malfunction, stop operate the thermometer.
- Then the ambient temperature or ( ) ( ) displays on window with °C/ °F blinking. The thermometer now is ready for a temperature taking. If there is no temperature taking in the coming 3 minutes, the thermometer will be automatically shut-off.
- Clean or disinfect the probe before every measurement. Put the probe head (applied part) under tongue, arms, or in rectum, according to the methods provided. (see7. Methods of Use)
- As soon as the thermometer does not register any further relevant increase in temperature, “°C/ °F” stops flashing and the maximum value measured up to that time is shown one series of beeps.
- After the beep sounds, the thermometer continues measuring the temperature in the next 5 minutes. Meanwhile, measured temperature keeps being displayed on LCD window. And in this time there may possibly be a further slight increase in the temperature shown on LCD window. After that, the maximum temperature measured will be recorded and stored.
- When the measured temperature is above or below Measuring range, the LCD window displays ( ) ( ) or ( ) ( ).
- The thermometer has auto shut-off function. The thermometer will automatically turn off in case of not using it in 9 minutes. To extend its battery life, please turn off the thermometer after using it.

## 6. Recall of 10 Last Measured Values

The device has the capability to store up to 10 sets of temperature readings. To access the stored memory, please follow the steps below:

- Turn off the thermometer first. Press the ON/OFF button to start the thermometer, and meanwhile do not release the ON/OFF button to keep it pressed until full display finishes.
- The last temperature will be recalled on LCD window with M flag ( ) appeared at right-bottom corner after a full display. e.g., ( ) or ( ) ( ) or ( )
- Press the ON/OFF button within one second to retrieve the second memory value. ( )
- Repeat the process for the measured values from 3 to 10.

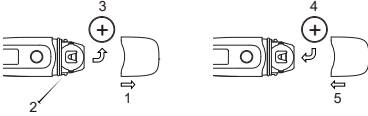
## 7. Methods of Use

- Axillary Measurement (approximately 60 - 120 seconds)  
Dry the armpit with a towel. Place the probe head under the armpit. Close the arm firmly.
- Oral Measurement (approximately 45 - 90 seconds)  
Place the probe head under the tongue. Assure a fixed and good contact. Close the mouth and breathe normally.
- Rectal Measurement (approximately 30 - 60 seconds)  
Lubricate the probe head with Vaseline for an easier insertion. Then, softly enforce the probe head into the rectum approximately 2 to 3 cm in depth.

## 8. How to Replace the Battery

When the battery flag ( ) appears and blinks, it means the battery should be replaced.

- Turn off the thermometer and pull out the battery cover by gently pressing on the catch.
- Remove the used battery by any pointed object but not sharp metal.
- Disposed of used battery properly.
- Replace with a new button battery 3V, with the Anode side (+) upward as the following illustration.
- Close the cover securely.



Note: it is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.

## 9. How to Clean and How to Disinfect

- Please always clean and disinfect the probe head before and after each use with mild soapy water, clean cloth or 70% isopropyl alcohol.
- Do not boil or clean and disinfect in washing machine.

## 10. Caution

- Do not boil, bite, bend, drop or disassemble this thermometer.
- If used this thermometer is not according to the use instructions, the manufacturer cannot be held liable for damage caused by incorrect application.
- Do not dispose this thermometer and its battery into fire. Battery must be recycled or disposed of in properly.
- Always keep this thermometer away from direct sunlight, moisture, extreme temperature and dirt while use, store or transport.
- Do not immerse the thermometer into water or other liquids.
- If the thermometer was stored in an extreme condition (-25°C or 70°C) or operating ambient temperature is higher than normal temperature, please immerse the probe head into cold water for 5-10 seconds before temperature taking.
- For long durations of non-operation, please remove all batteries from the device. (If it is not used for 1 month, it is recommended to remove the battery).
- Although the patient is an intended operator, this product is not intended to diagnose or treat any health problem or disease and should not be used as a substitute for the consultation and advice of a physician or other medical professionals.
- This thermometer contains small parts that can be swallowed or produce a choking hazard to children, and keep the thermometer out of children/pets's reach.
- It is recommended to have the device inspected every two years to ensure correct function and accuracy with application laboratory and authorized service center.
- Do not modify and maintenance this equipment without authorization.
- Avoid taking temperature in 30 minutes after physical exercised, bathing or dining.
- During measurement, the use of this product adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this thermometer and the other equipment should be observed to verify that they are operating normally.
- The electromagnetic environment for this product includes home healthcare settings and professional healthcare facilities.
- The essential performance of this product is to accurately measure body temperature. When used directly near strong electromagnetic interference (for example: near mobile phones, microwave ovens, etc.), it may be temporarily inaccurate. If so, please keep the thermometer away from interfering devices.
- During measurement, portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the product, including cables specified by the manufacturer. Otherwise, degradation of the performance of this thermometer could result.
- Please follow your government's environment policy to recycle the thermometer, accessories and batteries.

## 11. Warranty

- This thermometer has an one year warranty from the date of purchase and this warranty is effective only by presenting the **RECEIPT OF PURCHASE** stating the buyer's name, date of purchase, name and address of the distributor.
- Does not function properly, first check the battery and replace if necessary (see 9. battery replacement).

	Consult instructions for use		Batch code. YYMMA: year, year, month, month, serial number
	Atmospheric pressure limitation.		Medical device.
	Humidity limitation.		Catalogue number
	Temperature limitation.		Ingress Protection
	Disposal in accordance with Directive 2012/19/EC (WEEE)		The product meets the legal requirements of the European Union.
	The thermometer will automatically turn off in case of not using it in 9 minutes		Type BF equipment
	Keep sensing temperature after beep		



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