



# **Wireless Thermometer**

**WT701**

# **USER MANUAL**

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## SYMBOL DEFINITION



Device type is BF



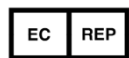
Read user manual before use



Serial number



Manufacturer



Authorized representative in the European community

## INTENDED USE

The Wireless Thermometer, model WT701, is a battery-operated electronic device with intended use of measuring and monitoring human armpit temperature continuously via wireless signal transmission of the measuring result. This system is reusable and is intended for armpit temperature monitoring for persons over two years old. And the system is intended for measuring and recording basal body temperature (BBT) as an aid in ovulation prediction to facilitate conception (not to be used for contraception).

## **APPLICATION PEOPLE**

The device is reusable and intended for temperature measurement of adult and pediatric (ages two years and over). It can be used in hospital and at home. Not used in ICU and other emergency condition.

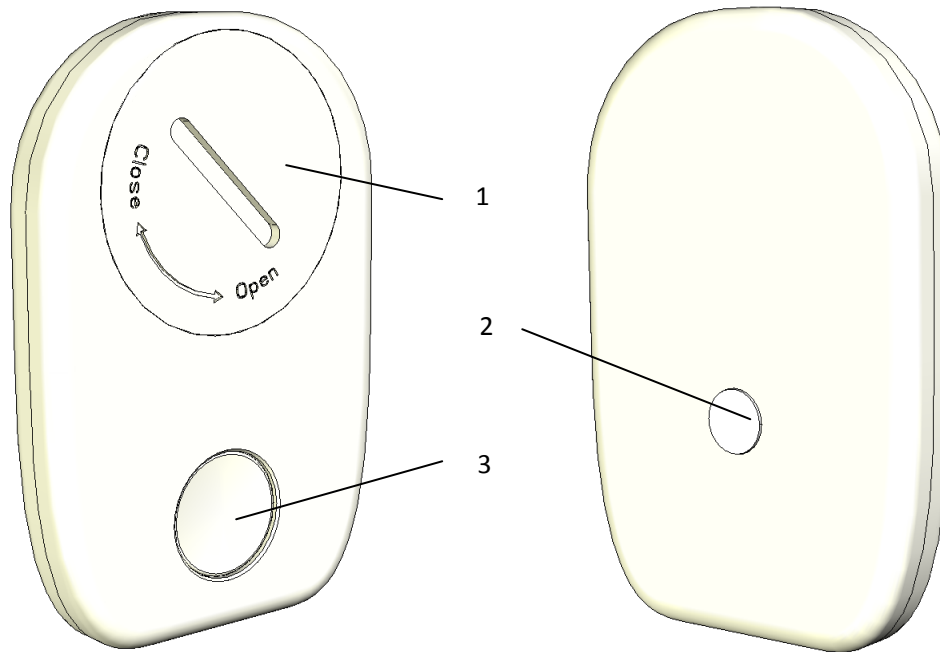
## **IMPORTANCE PRECAUTIONS**

In order to avoid the appearance of unnecessary harm, please read the following information before using the wireless thermometer.

- 1 Don't work together with nuclear magnetic resonance or CT equipment.
- 2 Explosion danger: do not use the monitor in flammable anesthetic gas.
- 3 Doctor should make diagnosis on clinical manifestation and symptoms only use the monitor as subsidiary.
- 4 Please check instrument regularly to make sure it is close to the skin, otherwise the data may be inaccurate.
- 5 High pressure disinfection, vinyl oxide disinfectant or infusion Instrument into liquid disinfectant may lead to incorrect data.
- 6 Unexpected action of patient may lead to incorrect data.
- 7 Please charging receiver when it connected with WT701 to long time monitor body temperature, because the continuous work time of receiver is limited.
- 8 Do not squeeze. If enclosure is broken, please stop using the instrument.
- 9 The temperature monitor feature of the product is primarily applicable to children. Muscle and fat affect wireless transmission, so the transmission range is reduced when adult or obese child use the product.
- 10 Please pay attention to the operation temperature and humidity. Use the product in a condition that does not satisfy the requirements may lead measurement error.
- 11 The instrument is for indoor use only.
- 12 Please upgrade the application from App Store when you upgrade iOS system.
- 13 It is almost impossible that the application is incompatible with other application on your receiver. If you meet this kind of matters please connect us.
- 14 The device is not sterile.

## **GETTING STARTED**

- 1 Battery compartment
- 2 Temperature probe
- 3 Button



## FUNCTIONAL DESCRIPTION

### 1 Body temperature monitor

The instrument needs to connect to receiver to monitor body temperature. It measures temperature and send it to receiver by Bluetooth. Then you can read real time temperature on receiver.

### 2 Low voltage indication

- There is a dialogue box on receiver when a low battery instrument connected with it.

### 3 Temperature beyond limits alert

- The temperature number turn to red and there is a sound notification on receiver when temperature beyond limits. Sound notification can be turn on or turn off. And the temperature limits can be set.
- There is a message box when you unlock your receiver whose temperature beyond limits.

### 4 Bluetooth disconnect indication

- The LED blinks.
- There is a dialogue box and sound notification on receiver.

### 5 Temperature data storage

The instrument will turn to measure and store work state automatically after communication break during monitoring body temperature. Measure and store body temperature every 4 seconds and shut down automatically after 10 days. The data stored in the instrument will be sent to receiver when connect to it next time. Upload 24 hours' data need 5 minutes.

### 6 Measuring and recording basal body temperature

When use the instrument to measuring basal body temperature, you should wearing it before sleep at night. The software installed in the receiver “Vitals Monitor Pro” will wake you up in the morning at the time you set.

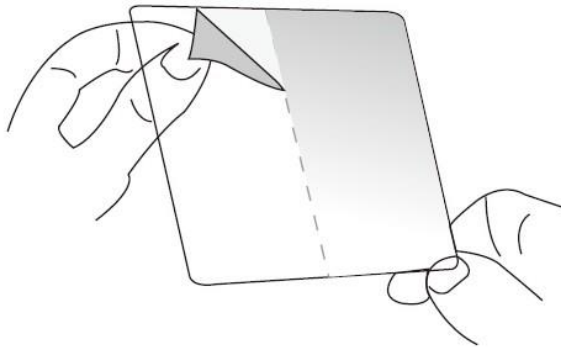
The temperature at the time of you waking up will be recorded as basal body temperature, and you can modify the waking up time easily. To measure the BBT exactly, you'd better sleep long than 6 hours.

## TECHNICAL SPECIFICATIONS

<b>Product name</b>	Wireless Thermometer
<b>Product type</b>	WT701
<b>Size</b>	48.3mm×31.8mm×6.5mm
<b>Weight</b>	5.7g (without battery)
<b>Measurement range</b>	25°C-45°C
<b>Accuracy</b>	±0.05°C
<b>Temperature unit</b>	°C or °F
<b>Receiver</b>	iPhone 4S, iPhone 5, iPad(3rd generation), iPad(4th generation), iPad mini, iPod touch(5th generation)
<b>Valid transmission distance</b>	up to 5 meters
<b>Battery</b>	CR2032
<b>Battery work time</b>	3 month
<b>Operation temperature</b>	5°C-40°C
<b>Operation humidity</b>	15-85%

## WEARING DESCRIPTION

Wearing steps as below:



**Step1** peel the release paper of the sticker



**Step 2** paste the instrument in armpit

**Note:**

- Please lift the arm as high as possible, when you paste the instrument in armpit.
- Wear no more than 24 hours.
- If you feel unwell when use the sticker, please replace other sticker as doctor's advice.

- You can paste the instrument in armpit by single-sided adhesive tape, and make sure the temperature probe close to skin.
- When the instrument is used to measure body temperature of child, adult should help child to operate and wear the device.
- Skin preparation is required when worn by adult.
- Please clean the surface of the instrument with moist alcohol tampons before and after use it. You should clean the skin contacted the instrument with medicinal alcohol after taking off the instrument. The material that contacts skin is nontoxic, nonirritating and will not cause allergy or any other side effect.
- You should remain holding tight for the first 10mins, after this time, the angle of his arm and body should less than 30 degree.
- Read result 10 minutes after wearing the instrument to get accuracy temperature.

## NORMAL BODY TEMPERATURE

age	Celsius Temperatures / °C	Fahrenheit Temperatures / °F
2years	34. 7–37. 2	94. 5–99. 1
3–10years	35. 9–36. 7	96. 6–98. 0
11–65years	35. 2–36. 9	95. 3–98. 4
>65years	35. 6–36. 3	96. 0–97. 4

**The normal temperature can vary by:**

- Age
- Person
- Time of day (often highest in the evening)

**Where on the body the temperature was taken, body temperature can be raised by:**

- Being active
- Being in a high temperature or high humidity
- Eating
- Feeling strong emotions
- Menstruating (in women)
- Taking certain medicines
- Teething (in a young child -- but no higher than 37.8°C)
- Wearing heavy clothing

## OPERATING INSTRUCTIONS

### 1 Key actions

- Long press (more than 2 s): power on or power off.
- Short press (less than 2s): Bluetooth connect or disconnect.

### 2 State identification

- Bluetooth indicator: single blink in measure and store work state and double blink means search device.

### 3 Work styles

- Connect to receiver for the first time:
  - 1) Turn on receiver and open Bluetooth.
  - 2) Run "Vitals Monitor" on receiver to monitor body temperature. Refer to software operating instruction for details.
  - 3) Long press button to turn on the instrument.
  - 4) Establish Bluetooth connection in "Vitals Monitor Pro".
- Connect to receiver had paired with:
  - 1) Turn on receiver and open Bluetooth.
  - 2) Run "Vitals Monitor Pro" on receiver to monitor body temperature. Refer to software operating instruction for details.
  - 3) Long press button to turn on the instrument.
- Link with receiver in LAN
  - 1) Turn on receiver A, open Bluetooth and LAN.
  - 2) Run "Vitals Monitor Pro" on receiver A.
  - 3) Long press button to turn on the instrument.
  - 4) Turn on receiver B and open LAN.
  - 5) Run "Vitals Monitor Pro" on receiver B and link with receiver A to monitor body temperature.
- Measure and store: The instrument will turn to measure and store work state automatically after communication break during monitoring body temperature. The instrument can measure and store body temperature independently, and send them automatically to receiver when connect to it next time. The instrument will shut down automatically when it has stored 10 days' data. If you turn on the instrument again without connecting to receiver to upload data, the previous data will be covered.

## **ACCESSORIES**

- 1 A CR2032 battery
- 2 Medical sticker(10 pieces)
- 3 User manual
- 4 Guarantee card
- 5 Certificate of competency

## **REPLACING THE BATTERY**

- 1 Open the cover of the battery compartment.
- 2 Remove the old battery.
- 3 Install a CR2032 battery.
- 4 Close the battery compartment cover.

## **MAINTENANCE AND PRESERVATION**

- 1 Please replacing the battery when the low battery indication shows, otherwise the instrument will not work correctly.
- 2 Clean the surface of the instrument with medical alcohol 75% before use it.
- 3 The temperature of the store environment should be 0°C ~ 50°C (32°F ~ 122°F) and the humidity should be 10% ~ 85%.
- 4 The treatment of the product and battery at the end of their life should be compliance with local laws and regulations.

Note: there is no need to maintain or calibrate beside replace battery.

## **CLEANING AND DISINFECTION**

The probe should be cleaned and disinfected, but never sterilized. Follow the procedure outlined below.

### **Step Cleaning and Low-Level Disinfection**

Clean the surface of the instrument with moist alcohol tampons before and after use it.

### **Warnings**

Use of cleaning agents and disinfectants beside alcohol may damage the instrument and shorten product lifetime or cause safety hazards.

Do not soak the instrument in any liquid.

Do not sterilize or autoclave the instrument.

If you notice any deterioration or damage to probe, stop to use the instrument immediately.

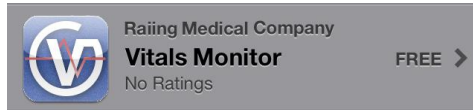
## **DECLARATION**

- 1 The EMC of the product is up to standard of IEC60601-1-2.
- 2 The material that contacts skin is nontoxic, nonirritating and up to standard of ISO10993-1、-5、-10.

## **DOWNLOAD AND INSTALL SOFTWARE**

- 1 Search “Vitals Monitor Pro” in App Store.
- 2 Select the App as follow.





3 Click **FREE** after enter the corresponding interface, and then click **INSTALL** to install the “vitals monitor Pro”.

## TROUBLESHOOTING

Symptom	Possible Reason	Solution
The temperature data cannot be displayed properly	1. Low battery of Instrument	1. Turn on again 2. Please replace battery
Cannot turn on Instrument	1. May the battery power is shortage or no electricity 2. There are some problems of the instrument	1. Turn on again 2. Please replace battery 3. Contact customer service
Unusual temperature data	1. The position of Instrument is not correct 2. There are some problems of the instrument	1. Check the position of Instrument 2. Contact customer service

### **\*\*\* Caution \*\*\***

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.

Changes of modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **FCC statement**

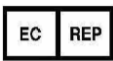
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

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 to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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.



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