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# Hao-Hao Intelligent Pregnant Preparation Instrument<sup>TM</sup>

Product Name: Comper Smart Fertility Tracker  
Product Model: BBTX



**COMPER<sup>TM</sup>**

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## Basic Function and Working Principle

Dear customers,

Thank you for purchasing Comper Intelligent Pregnant Preparation Instrument <sup>TM</sup> (Product Name: Medical electronic thermometer, hereinafter referred to as Pregnant Preparation Instrument). For appropriate application of the product, please read the operating manual before using. Keep it safely after reading for reference. Illustrations in the Manual are effect pictures.

### Basic function of the product

Pregnant Preparation Instrument is a mouth-contained basal body temperature monitoring device for women. Body temperature can be accurately measured by electronic sensors, satisfying the demand of daily basal body temperature monitoring of women, and is satisfied the requirement of daily monitoring by laypersons, nursing staff and care givers in obstetrical department in hospital, clinics and pregnant women at home.

Application scope: monitor the ovulation cycle

### Working principle

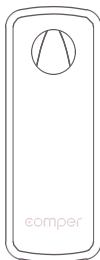
A temperature sensor outputs electric signals and then electric signals will be converted into digital signals that can be identified by internal integrated circuit. Temperature value will be obtained by the processing and computing of digital signals by internal chips.

## Composition

1



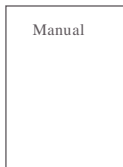
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3



4



5



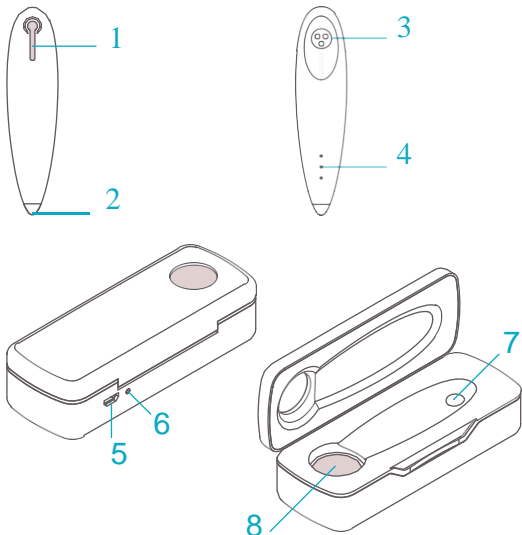
6



### Parts list:

1. One pregnant preparation instrument (thermometer)
2. One disinfection charging box
3. One USB charging cable

4. One manual
5. One qualification certificate
6. “Hao-Hao Health” APP



#### Instruction of parts:

1. Pregnant preparation instrument indicator lamp
2. Heat probe
3. Contact-based charging interface
4. The anti-skid

#### parts

5. Disinfection charging box interface
6. Charging indicator
7. Contact-based charging connector
8. UV disinfection lamp

## Safety Precautions

In the Manual, all possible harms or damages caused by operation not according to instructions have been indicated and explained in accordance to the following classification.

Please be aware and understanding that, for all death, injury or damage to goods due to operations not according to instructions specified in the Manual or deviating from the designed purpose of the product, the Company shall not bear any responsibility.



### Refer to instruction manual/ booklet

#### Prohibition



It represents absolutely not allowed

There is death or injury risk caused by operation that is out of the performance of the product or appropriate.

#### Warning



Represent matters that require special attention

Represent matters that require special attention, which may cause death or serious disease even in normal operation.

#### Caution



Represent general considerations in using

If misused, it may cause personal injury or property damage

#### Prohibition

Do not use the product in flammable environment to protect from fire or explosion.

Do not dismount, dismantle or repair the product voluntarily.

\* There is possibility of causing serious body injury, measurement error and damages to the product.



**Warning:**



Keep the product out of the reach of infants and young children, and do not let it use the product alone.

\* If misused, there is the possibility of causing damages



When the electronic device is limited in hospital or aircraft cabin, please do not turn on the product.



**Prohibition:**



It is dangerous to conduct self-diagnosis or self-treatment in accordance to measurement results, please follow the guidance of a doctor

\* Self-diagnosis may cause possibility of deterioration of diseases



This product is an oral dedicated thermometer, and is not allowed to use in any parts other than the mouth (especially the parts of the ear) to measure body temperature.

\* It is unable to correctly measure the temperature, and there is possibility of causing harm to the ears



Do not share this product with others

\* There is possibility of causing a bacterial infection or transmission of the virus.



Do not damage the battery, heat the battery or throw it in the fire

\* There is possibility of a battery explosion.





Do not vigorously bite the product.

\* May cause product breakdown. Please contact your physician if the condition of swallowing occurs.



Do not place the product 22cm within the scope closely proximity to other medical instruments (such as heart pacemakers)



Do not look directly at disinfection lamp

\* There is possibility of causing damage to eyes



Caution:



Make sure the positive and negative side of prepare pregnant preparation instrument when putting into the disinfection box

\* Incorrect placement may cause possibility of damages to product.



Do not use the product closely to strong electromagnetic fields, electromagnetic wave and magnetic environment

\* There is possibility of measurement errors or damage to the product



Avoid severe shock, falling from the height or stomping after putting into the disinfection box

\* There is possibility of causing damage to the product.



Do not make the charging part getting wet

\* There is possibility of causing damage to the product.

# Safety Precautions



Do not place the product into boiling water for sterilization

\* There is possibility of causing damage to product breakdown or product failure.

Dismantlement is prohibited.



Do not dismount, dismantle or repair the product voluntarily.

\* There is possibility of causing serious body injury, measurement error and damages to the product



Do not take out the magnet from disinfection charging box.

\* Magnet damage may cause possibility of damage to product.



At the end of product life, please deal with the product according to the relevant local environmental protection laws and regulations.

## Scope of application and contraindications



Application scope: monitor the ovulation cycle



Contraindications: Not found

# Application Method

Pregnant preparation instrument should be used with APP.

1. Download by scanning QR code.



2. Download from the application store: search “Hao-Hao Health”



Note:

Piggyback Bluetooth 4.0 and above module  
IOS7.0 and above operating system

Piggyback Bluetooth 4.0 and above module  
Android 4.3 and above operating system





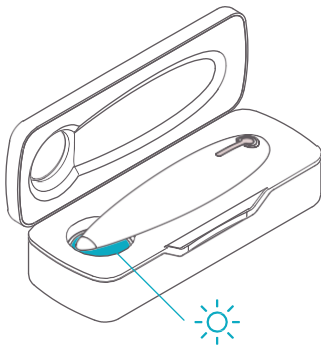
## Instructions for Use

Note: The instrument should be charged for at least 3 hours in first use.

1. Open the Bluetooth of mobile phone.
2. Open the “Hao-Hao Health” APP and create an account.
3. Select device of “Hao-Hao Health Intelligent Pregnant Preparation Instrument”, and conduct subsequent operations according to APP tips.  
For questions, please contact customer service.

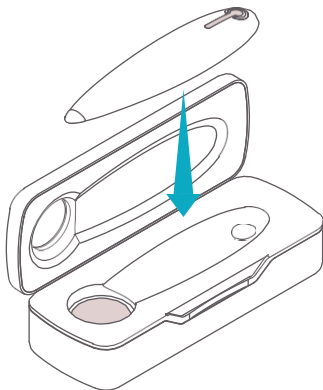
## Disinfection function

When putting the pregnant preparation instrument back into disinfection charging box after measurement, pregnant preparation instrument will automatically shut down. Please connect with the power and close the disinfection charging box, the function of disinfection will turns on automatically.

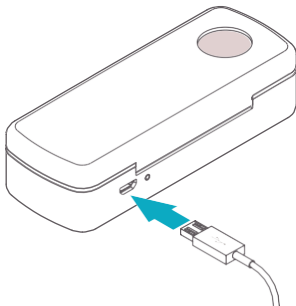


## Charging Function

1. Put the pregnant preparation instrument in the disinfection charging box.

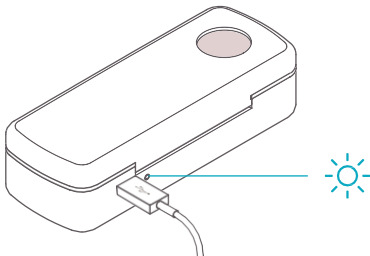


2. Insert the USB charging cable into the charging interface of disinfection charging box.



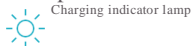


3. Lamp displays orange light when it is in charging. Lamp displays white light when charging is completed.



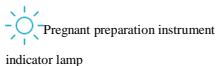


# Prompt function



Long white light

Long orange light



Long white light & one time of beep

Flicker white light

Long white light & three times of beep

Light turned down

Orange light

Blue light

White light

Charging is completed.

In charging

The main body turns on.

Successful connection of Bluetooth.

No measurement/temperature is too low or too high, or abnormal measurement

Electric quantity exhaustion

Period of easy pregnancy

Period of non-easy pregnancy

No measurement/results

## Voice Prompt

1. One time of “beep” after measurement represents completion of measurement.

1 x 



2. Three times of “beep” after measurement represent abnormal measurement temperature.

3 x 



## Cleaning and maintenance

Please keep the cleaning of pregnant preparation instrument.



Wipe the heat detector probe with a dry, soft cloth



If there is a lot of dirt on the heat detector probe, please wipe the probe with a wringed cloth with neutral detergent or water, and then use a soft cloth to wipe it dry.



After connecting with the power, put the instrument into the disinfection charging box and automatic disinfection of ultraviolet ray will begin and last about 5 minutes.

Please comply with the following precautions to avoid breakdown or failure



Do not remove dirt by using volatile agents, diluent or gasoline, etc.



The disinfection charging box is not waterproof; please avoid water flowing into the box.







Do not immerse the heat detector probe in alcohol for a long time.



Do not use hot water to conduct sterilization of pregnant preparation instrument (over 50 °C water).



# Problems and Troubleshooting

Problem/failure	Possible reason
 Long white light & three times of beep 	The measured value is too high due to activity or eating before measurement. The measured value is too low due to incorrect measurement position. The measured value is too low due to open mouth measurement. Artificial interruption of the measurement. The measured value is too high due to a long time placement in hot environment. Bluetooth is not connected with the phone.
 No flicker of white light after startup  No indicator lamp is turned on after taking out of the disinfection charging box.	Electric quantity exhaustion

## Adopted measures

Please conduct measurement in bed immediately after waking up in the morning.

Please conduct measurement in correct measurement position.

Please close the lips during the measurement and do not breathe by mouth.

Please conduct measurement according to correct instructions.

Please use the product in the environment of +5 °C to +40°C

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Please check whether the “Hao-Hao Health” APP is in operation.

Please check whether your phone Bluetooth is turned on in operation

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Please charge.

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# Storage and Shipping Condition

## Special storage

Do not store the product in the following environments, or otherwise it will cause a breakdown or failure



Humid environment



High temperature, direct sunlight, dusty environment, or salt environment



Environment with chemicals or corrosive gas

Storage environment

Temperature:  $-10^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  Humidity:  $\leq 85\%$

Ventilated room without corrosive gases

Transportation environment

Temperature:  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

Humidity:  $\leq 90\%$  RH

Atmospheric pressure: 50 to 101.3 kPa

Method: air, sea, rail transport or coach transport

## Basic Parameters and Specifications

Model: BBTX

Power of the product

Battery: Rechargeable lithium battery (3.7 V)

Battery life: continuous use of 12 hours, more than 300 times of charge-discharge

Charging power supply: Micro USB (DC 5.0 V; 100 mA)

(This product should be charged with the charging power supply of medical products comply with GB 9706.1/IEC 60601-1 **for two MOPP insulation system**. The charging power supply should be checked or replaced regularly.)

Category of product Electric shock protection type: internal power supply

Electric shock protection type: BF product

Level of anti-liquid: IPX6 (main body of pregnant preparation instrument)

Anti-level liquid feed: IPX6 (prepared pregnant instrument body)

The degree of safety of combustible gas: not suitable for using in environment with flammable gas

Operating mode: Single measurement

Size of product: 95 x 23 x 12 mm

Shape of disinfection box: 117 x 44 x 30 mm

Net weight: Disinfection charging box of 69 g; pregnant preparation instrument of 14 g

Communication: Ultra-low-power consumption Bluetooth 4.0

Compliance:

IEC 60601-1

#### Working environment

Temperature: + 5°C to + 40°C

Humidity: ≤85%

Atmospheric pressure: 70 to 101.3 kPa

#### Product performance

Sensor: Rapid response thermistor

Measurement: High-speed precision Found

Measuring range: 35.00°C to 42.00°C

Accuracy: 35.00°C to 39.00°C, ± 0.05°C

39.1°C to 42.0°C, ± 0.1°C

Measurement accuracy: 0.01 °C (displayed on the “Hao-Hao Health” APP)

Life: 4 years

The Registration Certificate Number and Production License Number

Product registration certificate number:

Product production license number:

#### Service Agencies and Information

Production company name: Comper (Beijing) Technology Co., Ltd.

Manufacturer address: Floor 3 Unit 712, 713 Building 1, No. 3

Yongchang North Road, Economic and Technological Development  
Zone, Beijing

Manufacturer Tel.: +86 01057480968

National hotline: 400 900 1020

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# COMPER<sup>TM</sup>

## How the best is done

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For the content of this Manual, the Company is not responsible for any explicit or implied warranty or guarantee liability. The content change caused by product improvements and technology updates could occur at any time without prior notice. The power of interpretation is vested by the Company.

## Federal Communications Commission (FCC) Statement

### 15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

### 15.105(b)

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.

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

- 1) this device may not cause interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

### FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.