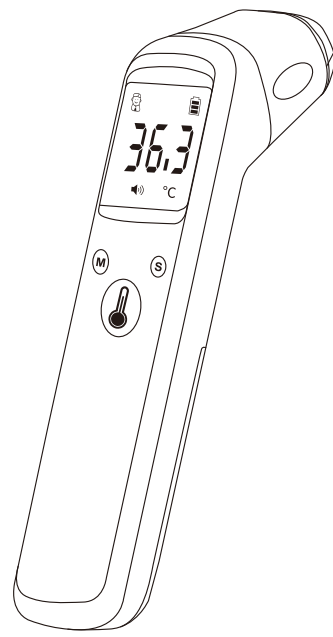


INFRARED THERMOMETER
Model: CH-818



Instruction Manual

- Please read the product "Instruction Manual" carefully before use, purchase and use it under the guidance of the doctor.
- Please refer to the "Instruction Manual" for the taboo contents or precautions

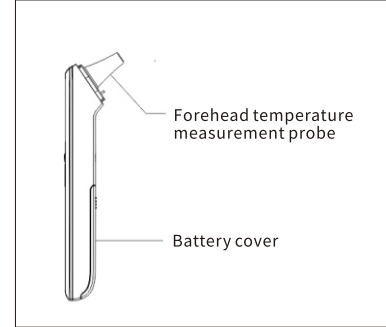
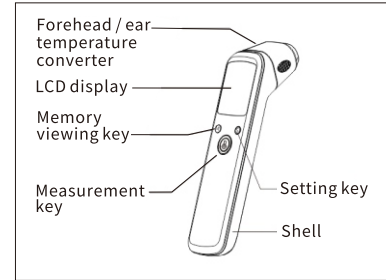
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Scope of application:
By measuring the forehead heat radiation to display the body temperature of the measured object.

Structure composition:
It consists of a shell, liquid crystal display, buttons, buzzer, infrared temperature sensor, and microprocessor.

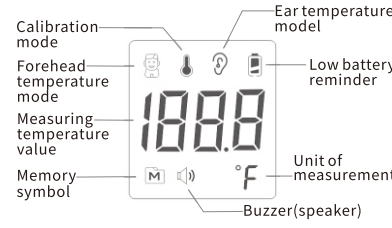
Part name:



Function description of each key:
Measurement key: in standby mode, press once to wake up the machine, and then press to measure

Set key: power on state, short press for mode conversion function, long press for about 5 seconds Turn sound on or off.
Memory key: in the power on state, short press the memory key to view the memory, long press about 5 seconds to delete the memory Power off state, long press about 5 seconds to switch units.

User interface:



Technical parameters:

Product name:infrared thermometer
Product model:CH-818
Scope of measurement:32.0°C~43.0°C
Maximum allowable error:
Within the temperature display range of 32.0°C~34.9°C, the maximum allowable error is ±0.3°C;
Within the temperature display range of 35.0°C~42.0°C, the maximum allowable error is ±0.2°C;
Within the temperature display range of 42.1°C~43.0°C, the maximum allowable error is ±0.3°C.
Display resolution:0.1°C
Measuring distance:1 cm ~ 3 cm
Operating environment:
Temperature:-10°C ~ 40°C
Relative humidity:<80%
Atmospheric pressure 86kPa~106kPa
Transport and storage conditions:
Temperature:-20°C ~ +55°C
Relative humidity:<93%
Atmospheric pressure 50kPa~106kPa

Power supply:d.c.: 3V (2 AAA batteries)
Clinical repeatability:±0.3°C
Electricity prompt:2.4V ± 0.2 V (Voltage at low power prompt)
Memory key: in the power on state, short press the memory key to view the memory, long press about 5 seconds to delete the memory Power off state, long press about 5 seconds to switch units.
Automatic shutdown:About 30 seconds
Size(mm):157*110*45(mm)
Prompt function:
When the operating range of ambient temperature exceeds 16°C~35°C, the thermometer should be prompted to Err.
Under frontal temperature mode, if the measured temperature is less than 32.0°C, the Lo; should be more than 43.0°C, and the Hi prompt signal should be displayed.

Security requirements
1.1 Classification by type of shock protection: equipment supplied by internal power supply.
1.2 Classification by degree of protection against electric shocks: belongs to B type of application.
1.3 Classification by degree of protection against harmful fluids: general equipment.
1.4 Classified by degree of safety when used in the case of flammable narcotic gas mixed with air or with oxygen or nitrous oxide: Equipment that cannot be used in the case of flammable narcotic gas mixed with air or with oxygen or nitrous oxide.
1.5 Classification by mode of operation: continuous operation equipment;
1.6 Power supply: d.c. 3V(2 AAA batteries).
1.7 Whether the device has the applied part of protection against defibrillation discharge effect: No;
1.8 Signal input and output: none;
1.9 Permanent installation equipment or non-permanent installation equipment: non-permanent installation equipment;
1.10 Input power: not applicable;
1.11 Electromagnetic compatibility is classified into Group 1 Class B according to GB 4824.

Correct use of methods:
1. Preventive examinations:
1) Check the function of all parts and keep the thermometer in good condition before measurement.

2) Keep the power supply adequate.
3) After the product is packaged, it is allowed to use common means of transportation, but it should be protected from rain, moisture, squeezing and mechanical collision.

2. Unpacking:
When the packaging color box with the thermometer, and take the thermometer out of the plastic tray.

3. Battery installation or replacement:
1) Open the battery cover to replace the battery, and pay attention to the correct position of the positive and negative poles.
2) Please do not use rechargeable batteries, it's suppose to use disposable batteries, use alkaline batteries as far as possible.
3) When the instrument is not working, the static current is very small, but when it is not used for a long time, it is recommended to take out the battery, so as not to damage the product by battery leakage.

Battery replacement: The thermometer uses 3 V manganese or alkaline dry batteries (2 AAA batteries), under normal circumstances, it can be used continuously for more than 1000 times.

When a battery symbol appears and flashes at the top right of the screen, it means that the battery power is insufficient and the battery needs to be replaced as soon as possible to ensure the accuracy of the measurement.

Precautions:
1. When opening the battery cover to replace the battery, pay attention to the positive and negative polarity of the battery. The wrong polarity placement may cause damage to the product.
2. When not in use for a long time, please remove the battery to prevent damage to the thermometer due to battery leakage.
3. Do not use when the battery leaks or is moldy.
4. Do not bring the battery close to the fire source or throw it into the fire to avoid the battery exploding.

5. Do not store the battery in a high temperature or high humidity environment.
6. In order to avoid short circuits, please do not put the battery and metal objects such as coins or keys in the same pocket or other containers that may short circuit the battery.
7. In case the electrolyte in the battery gets into your eyes accidentally, please rinse with plenty of water immediately. If there is a danger of blindness and other injuries, go to the nearest hospital for treatment immediately.
8. In case the electrolyte in the battery accidentally gets on your skin or clothes, please rinse with plenty of water immediately, otherwise it may damage your skin.

Tip: 1. The emissivity of different materials may be different, please refer to the emissivity of materials, the default emissivity of this product is 0.98. The measured temperature will be deviated from the actual temperature due to different.

4. Operation steps:
1. Remove the forehead / ear temperature measurement conversion cover before measuring the ear temperature.
2. Press the measurement button, the thermometer will enter the ear temperature mode, and the symbol "E" will be displayed on the screen.
3. Press the measurement button once, and the forehead temperature reading will be displayed on the screen immediately.

5. Do not store the battery in a high temperature or high humidity environment.

6. In order to avoid short circuits, please do not put the battery and metal objects such as coins or keys in the same pocket or other containers that may short circuit the battery.

7. In case the electrolyte in the battery gets into your eyes accidentally, please rinse with plenty of water immediately. If there is a danger of blindness and other injuries, go to the nearest hospital for treatment immediately.

8. In case the electrolyte in the battery accidentally gets on your skin or clothes, please rinse with plenty of water immediately, otherwise it may damage your skin.

Tip: 1. The emissivity of different materials may be different, please refer to the emissivity of materials, the default emissivity of this product is 0.98. The measured temperature will be deviated from the actual temperature due to different.

4. Operation steps:
1. Remove the forehead / ear temperature measurement conversion cover before measuring the ear temperature.
2. Press the measurement button, the thermometer will enter the ear temperature mode, and the symbol "E" will be displayed on the screen.
3. Press the measurement button once, and the forehead temperature reading will be displayed on the screen immediately.

Note: For children under one year old, pull your ears back straight For children and adults over one year old, pull the ears up and back straight.

4. Operation steps:
Ear temperature was measured
1. Remove the forehead / ear temperature measurement conversion cover before measuring the ear temperature.
2. Press the measurement button, the thermometer will enter the ear temperature mode, and the symbol will be displayed on the screen
3. Press the measurement button once, and the forehead temperature reading will be displayed on the screen immediately.

Note: For children under one year old, pull your ears back straight For children and adults over one year old, pull the ears up and back straight.

Tip: 1. The emissivity of different materials may be different, please refer to the emissivity of materials, the default emissivity of this product is 0.98. The measured temperature will be deviated from the actual temperature due to different.

4. Operation steps:
1. Remove the forehead / ear temperature measurement conversion cover before measuring the ear temperature.
2. Press the measurement button, the thermometer will enter the ear temperature mode, and the symbol "E" will be displayed on the screen.
3. Press the measurement button once, and the forehead temperature reading will be displayed on the screen immediately.

Do not insert the temperature sensing head into the ear canal, otherwise the ear canal may be injured.

When measuring for adults, gently straighten the ear upward and backward to ensure that the ear canal is straight, so that the temperature sensing head can receive infrared rays from the tympanic membrane.

When measuring children, care must be taken. Children's ear holes are small.

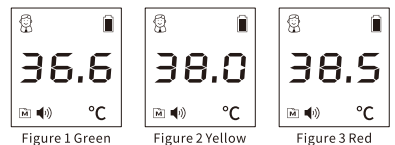
Measure forehead temperature:
cover the conversion cover of forehead / ear temperature measurement.
1. Press the measurement button once, and the thermometer will be turned on to automatically enter the forehead temperature mode. The symbol indicating forehead measurement will be displayed on the screen.

正面

背面

2. Align the front end of the thermometer with the forehead (the distance between the front end of the thermometer and the forehead is 1 ~ 3cm)
3. Press the measurement button once, and the forehead temperature reading will be displayed on the screen immediately.

Description of test results:
In the forehead temperature measurement mode, the thermometer will light up in green when the temperature is 37.5°C (including Lo) (Figure 1), and it will light up in yellow when the temperature is 37.5°C~temperature ≤38.2°C (Figure 2). When the temperature is >38.2°C (including Hi), the red light will be on (Figure 3)



Attention:
After the measurement, wipe the thermometer with a dry soft cloth and place it in a dry and ventilated place. Self-diagnosis and treatment based on measurement results is dangerous, for this purpose, please consult a doctor.

Mode conversion:
1. Calibration mode
Hold down the measurement key and the memory key at the same time, then install the battery to enter the calibration mode.
2. Body temperature mode
Under the power on state, remove and install the forehead / ear temperature measurement conversion head cover, then the forehead temperature mode and ear temperature mode can be converted.

Precautions:

1. Please read this instruction carefully before use
2. The ambient temperature of this product is 16°C to 35°C, the optimum temperature is 25°C
3. Please do not put this product too close to live objects to avoid electric shock.
4. Please do not use this product in an environment where the relative humidity is greater than 85%
5. Please do not place this product too close to the electromagnetic range (such as radio, mobile phone, etc.)
6. Please do not expose this product to the sun or close to the stove, let alone contact with water
7. Please do not hit or drop this product, if it is damaged, please do not use it.
8. Hair, sweat, hat or scarf on the forehead will affect the accuracy of the measurement data.
9. In order to obtain accurate and stable and reliable measurement data, when the room temperature changes greatly, the product should be placed indoors for 20 minutes before use.
10. When forehead sweating or other reasons cause forehead temperature to fail to reflect body temperature normally, please measure from behind the earlobe.
11. When cleaning is needed, wipe the surface of the instrument lightly with alcohol.
12. Once there is a problem with the product, please contact our company and do not try to repair it yourself.

Memory query
(1) The thermometer is in the body temperature measurement mode, and it measures once every time you press the measurement key, the screen displays a set of body temperature data

(2) Historical data viewing: After each measurement, the instrument will automatically record measurement data, up to 32 historical measurement data can be recorded, more than 32 sets of measurement data will automatically cover the first set of measurement data. If you want to view these data, press the "memory key" once to display the last measured temperature, and then press the "memory key" to cycle through all measurement records.

Delete memory
In the state of viewing the memory, long press the memory key until the screen displays Clr, it means that the memory has been deleted.

Attention:

- (1) The thermometer is suitable for indoor use, and the device itself and the test subject should not have large air convection during the test (such as the wind of electric fans, air conditioners, and heaters);
- (2) Before measuring the ear temperature, make sure that the ear canal is clean. If there is dirt, it is recommended to use a cotton swab to clean the ear canal. Otherwise, the temperature measurement may be inaccurate or the temperature sensing head may be contaminated;
- (3) This machine is sensitive to ambient temperature, do not hold it with your hands for a long time;
- (4) Please make sure the sensor head is clean and unobstructed before use;
- (5) Before measuring forehead temperature, make sure that there is no sweat or hair covering on your forehead, otherwise it may cause inaccurate temperature measurement;
- (6) In order to ensure the accuracy and reliability of the forehead temperature measurement data, it is recommended that the distance between the temperature sensing head and the forehead be kept within 1-3cm when measuring forehead temperature;
- (7) Please ensure that there is no intense emotion and strenuous exercise before the measurement;

Display icon definition:

Icon definition	Icon	State description
Electricity prompt		Fully charged
Display anti flicker		Extremely dimmed. Can no longer be used. Please immediately replace the battery
Prompt tone		Buzzer on, no sound
Display value		Measured temperature value
Measurement mode		Ear temperature measurement mode
Memory symbol		Forehead temperature measurement mode
Unit of temperature		The display value is the memory value
		Celsius
		Fahrenheit

Contraindications, precautions, warnings and suggestive explanations:

1. contraindications
(1) There is no standard value for body temperature. Please consult your doctor if you have a fever.
(2) Patients in coma, terminal stage.
2. precautions
(1) This product is a professional infrared thermometer for measuring human body temperature. The measurement method will be different according to the difference of human skin.
(2) When the room temperature changes greatly, the infrared thermometer should be placed indoors for 20 minutes before use.
(3) When the person under test comes from a place where the temperature of the measurement environment is very different, he should stay in the test environment for at least 5 minutes, and then measure after the temperature is consistent with the environment.
(4) The environment around the tested person should be stable. It cannot be tested in places with large air currents such as fans and air outlets.
(5) Do not use the instrument outdoors or in places with strong sunlight.
(6) Do not hold the front end of the thermometer when measuring.
(7) The measurement site cannot be blocked by hair. If there is perspiration, please wipe it with a dry towel and measure it later. Otherwise, the measurement result will be affected.

(8) Fever patients with cold covering of the forehead, sweating and taking other cooling measures will make the measurement result lower, so the measurement in this case should be avoided.

Warnings

- (1) Please make sure to remove the hair and sweat on your forehead before measurement.
- (2) The use of this product cannot replace the doctor's diagnosis.
- (3) The protective glass outside the LCD frame is very important. It is also a fragile part of the instrument. Please use it with care.
- (4) Please do not charge non-rechargeable batteries, and do not throw the batteries into fire.
- (5) Please do not expose the product to the sun, and do not touch water.

Daily maintenance, cleaning, maintenance and maintenance cycle:

Cleaning maintenance:
(1) External dirt: Wipe the dirt with a clean soft cloth, or wipe with a cotton swab moistened with alcohol, which can also have sterilization and disinfection effects. Pay attention to not too much water or alcohol, so as not to flow into the product and cause damage.
(2) Internal dirt: The lens of the internal probe is an important device. Do not touch or press it with your fingers or other objects, otherwise it will affect the accuracy of the measured value.
Maintenance and Maintenance Cycle:
(1) When not in use for a long time, please remove the battery to prevent damage to the thermometer due to battery leakage
(2) When cleaning is needed after use, please wipe the surface of the instrument lightly with alcohol, and put it in the decorative box after cleaning.

(3) When you find that the surface of the lens is dirty, please wipe the surface of the lens with a cotton swab moistened with anhydrous alcohol with a purity of more than 95%.

(4) Do not place your body temperature in places where the temperature is too high or too low, humid or direct sunlight, dusty, and corrosive gases.
(5) When not in use for a long time (more than 3 months), please remove the battery and store it.
(6) It is recommended that users maintain it every 3 months.

Calibration and maintenance:
The accuracy of this thermometer has been rigorously tested. It is generally recommended to check and calibrate the thermometer once a year to ensure that the thermometer functions normally and the measurement is accurate.
Do not perform any repairs yourself. If the product has quality problems or any questions about the correct measurement of the thermometer, please contact the distributor or manufacturer.

Recommended cleaning and disinfection procedures:
After each use of the product, wipe the dirt with a clean soft cloth or wipe the product surface with a soft cloth soaked in 75% ethanol solution.

The name and content of poisonous and harmful substances or elements in the product:

Part Name	Toxic, harmful substance or elements									
	Pb	Cd	Hg	Cr	Co	Se	Br	Cl	Ca	Na
Printed circuit board assembly	X	O	O	O	O	O	O	O	O	O
Plastics	O	O	O	O	O	O	O	O	O	O
Metal shell	O	O	O	O	O	O	O	O	O	O
Battery	X	O	O	O	O	O	O	O	O	O

Remarks:
O: It means that the content of this toxic and hazardous substance in all homogeneous materials of the components is below the limit requirement of the SJ/T11363-2006 standard.
X: Indicates that the content of the toxic and hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement of the SJ/T11363-2006 standard.

Troubleshooting:

Fault phenomenon	Possible causes	Solution
Unable to Boot	1. Battery power is severely depleted 2. Battery positive and negative polarity is reversed 3. Thermometer damage	1. Replace the new batteries. 2. Check whether the positive and negative polarity of the battery is installed correctly. 3. Contact manufacturer
Body Display "Err"	The ambient temperature exceeds 40°C or below 10°C	Please measure in the ambient temperature range of 16°C-35°C
The measured temperature is lower than the normal temperature range	1. Did not on the temperature sensor lens 2. The temperature sensor is too far from the measured forehead 3. The thermometer was not placed in the measuring environment for more than 20 minutes from the colder environment	1. Use a cotton ball to clean the lens of the temperature sensor to ensure that there is no obstruction. 2. Adjust the measuring distance and move the thermometer head close to the target. 3. The thermometer was not placed in the measuring environment for more than 20 minutes from the colder environment before taking measurements
The measured temperature is higher than the normal temperature range	Temperature sensor damaged	Contact manufacturer

After-sales service:

Thank you for purchasing our electronic health products! While ensuring the high quality of this product, if you find that the product has a performance failure caused by the manufacturing process or raw materials, we will provide you with free maintenance services. Please fill out the warranty card when purchasing, and ask the purchaser for the proof of purchase as a proof of warranty.

Warranty description:

1. The starting date of the warranty period shall be subject to the sales invoice of the product. Please show the invoice when repairing.
2. During the warranty period, free repairs will not be provided under the following circumstances:

- 1) The machine fails to operate according to the requirements of the Operation Manual
- 2) Defective machines caused by self-repair, modification and disassembly by users
- 3) Due to natural disasters, falls, collisions, improper voltage caused by the failure of the machine
- 4) Machines whose appearance is naturally dirty due to use

Certificate of conformity
Product name: infrared thermometer
Product model: CH-818
Production date: _____
Inspectors: _____
★ This product is approved to leave the factory after inspection

Warranty Card
product name:infrared thermometer
Product model: CH-818
Purchase date: _____
Customer name: _____
Customer phone: _____
customer address: _____
Fault description: _____
Repair result: _____

尺寸:60X150mm
材质:80g双胶纸
工艺:单色双面印刷+折页

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