

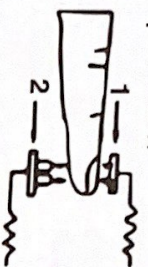
Pulse Oximeter



Manual

Instructions

Schematic diagram of operation



1. Infrared receiver.

2. Infrared emission tube.

Safety requirements

1. Not shared with MRI or CT equipment.

2. Explosion hazard: do not use this instrument in environment of flammable anesthetic gas.

3. The oximeter only plays an auxiliary role in diagnosis of patient. Please ask doctor to make a diagnosis based on the

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blood pressure cuff, which may cause wrong readings.

17. Patients with hypotension, severe hypotension, severe anemia, or hypothermia can cause incorrect readings.

18. If patient uses a cardiotoxic after the heart stops beating, or if the patient shivers, it will cause a wrong reading.

19. Bright nails or nail polish coated nails cause erroneous readings.

★ The recyclable accessories or components of accessories in the equipment specified in manual, including batteries, shall comply with local laws and regulations.

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clinical manifestations and symptoms.

4. Always check the sensor test point of oximeter to confirm that the skin of patient at the sensor test point is complete and the circulation is in good condition.

5. The sensor of fingertip pulse oximeter is not suitable for contacting the adhesive tape, which may cause the measurement data error or mistakenly think that the tested skin has blisters.

6. Please read this manual carefully before use.

7. The oximeter has no function of blood oxygen prompt, but it can not be used as a long-term continuous monitor.

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Product features

◆ The product adopts color display screen, and the interface can display six different display modes.

◆ The power consumption of product is low, and the two AAA batteries can last for more than 40 hours.

◆ There is a low voltage warning indication when the battery voltage is too low, which may affect normal use.

◆ When no signal is generated, the product will enter into standby mode after 10 seconds.

◆ Small size, light weight, easy to carry.

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8. When using for a long time, please change the test point periodically according to the different situation of the patient. The test point must be replaced every 2 hours at most and the skin integrity, circulation and correct adjustment of the patient must be checked.

9. High pressure disinfection, vinyl oxide disinfectant, or immersion of the sensor in a liquid disinfectant can cause incorrect readings.

10. Disorders of important indicators of hemoglobin, such as carbohemoglobin or methemoglobin, can cause incorrect readings.

11. Excessive intravascular staining, such as indocyanine green or

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Product scope of application

The pulse oximeter can detect blood oxygen saturation and pulse rate of human body through fingers. This product is suitable for family, hospital, oxygen bar, sports health care (before and after sports, not recommended in the process of sports), community medical treatment, etc. It is applicable to plateau tourism, mountaineering enthusiasts, patients (patients who have been at home for a long time or are in emergency state), the elderly over 60 years old, people who work more than 12 hours a day, sportsmen

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(professional sports training or sports enthusiasts), workers in closed environment, etc. This product is not suitable for continuous monitoring of patients.

Usage method

- ① Install two AAA batteries according to the positive and negative marks of battery compartment and directly fasten the battery cover
- ② When finger is removed, the pulse oximeter automatically shuts down after 10 seconds
- ③ Press the button in the middle of front panel to start the

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undefined accuracy identification rate: blood oxygen saturation $\pm 1\%$
 3. Pulse rate: measure range: 30BPM ~ 240BPM
 Measure accuracy: $\pm 2\text{BPM}$ or $\pm 2\%$ of the measured value (take larger value).
 4. Battery model: 2 AAA 1.5V alkaline batteries.
 5. Power consumption: less than 30mA.
 6. Automatic shutdown: when no finger is inserted, it will shut down automatically after 10 seconds.
 7. Dimension: 58mmx32mmx34mm
 8. Use environment: use temperature: $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$.
 Storage temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$.

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oximeter detection for blood oxygen.

- ④ In the process of using, it is better not to shake your fingers, and the human body should not be in motion.
- ⑤ If you want to change the direction of display during use, press the button in the middle of front panel.
- ⑥ Read relevant data directly from the display.
- ⑦ Press the clip to insert finger into the rubber hole (Finger best fully extended), when the fingernail is facing up, then release the clip.
- ⑧ When the battery power is low, the low battery power indicator will appear on color display to prompt the user to replace battery.

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Ambient humidity: 15% to 80% when working 10% to 80% storage.
 Atmospheric pressure: 70kPa ~ 106kPa.
 9. Pulse wave measurement sensitivity under weak perfusion conditions: The required test equipment (BIO-TEK INDEX Pulse Oximeter Tester) can measure available pulse wave signals with an amplitude of 6% of the amplitude of the analog pulse wave signal.
 10. Anti-interference ability of ambient light: use BIO-TEK INDEX Pulse Oximeter Tester to apply interference signal test, the

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Finger must be nailed upward when inserted into the blood oximeter.

Disclaimer: Before using this product for testing, please wipe the finger jacket rubber with medical alcohol, and wipe the finger with medical alcohol before and after use.

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instrument can work normally.

Maintenance and storage

- ① When the low voltage light is on, please replace the battery immediately.
- ② Please clean the surface of the oximeter before using it for patient.
- ③ Remove the battery inside if you do not use the blood oxygen meter for a long time.
- ④ This product is best stored at an ambient temperature of -10°C to 40°C (14°F - 104°F) and humidity at 10% to 80%
- ⑤ This product must always be dry, wet surroundings may affect

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Introduction

Power on / Mode key



Key function description: In the standby state, start this key to enter the working state. Press this key in the working state to change the display mode.

Technical specification

1. Display mode: color display.
2. Blood oxygen saturation: measure range: 70% ~ 99% measure accuracy: $\pm 2\%$ in the range of 70% ~ 99%, $\leq 70\%$,

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the life of this product or even damage this product
 ⑥ Please handle used batteries in accordance with local government laws and regulations.

Product accessories

Lanyard--1pcs.

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