

3. Press button on the front panel; (Note: if equipped with automatic startup function refers to clamp oximeter, need not press the button, the instrument has 5 s automatic signal detection function, directly inserted into the finger, instrument is automatically switched on timely)

4. Don't tremble your finger when the Oximeter is working. Your body is not recommended on moving status.

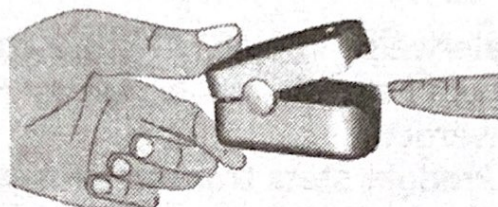
5. Press the button on the front panel, if we want change display direction;

(**Note:** if equipped with accelerometer function of instrument then don't press the button, hand movements, the instrument with the accelerometer has four corresponding interface switch)

6. Read relevant datum from display screen.

7. The instrument has the function of sleep, no signal will enter standby state of sleep;

8. Please replace new batteries when OLED indicates the batteries are in low power.



When plugging your finger into the Oximeter, your nail surface must be upward.

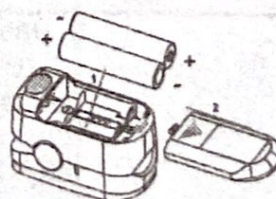
Declaration: Please use the medical alcohol to clean the rubber before each test and clean the tested finger with alcohol before and after the test. (The rubber inside of the Oximeter adopts medical rubber, which has no toxin, no harm, and brings no side effect such as allergy to the our skin).

Battery installation

1, According to the positive and negative identity right will be two AAA batteries into the battery

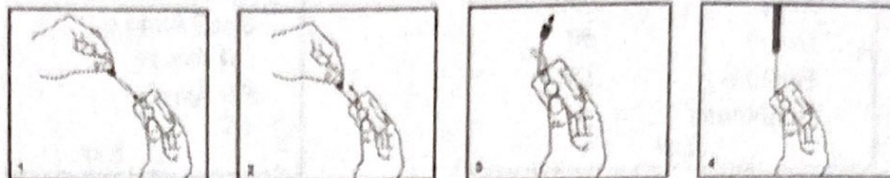
2, In the direction of the arrow at the bottom of the level of battery back cover.

Please note: pay attention to the battery positive and negative polarity, must be installed correctly, otherwise it may cause damage to instrument.



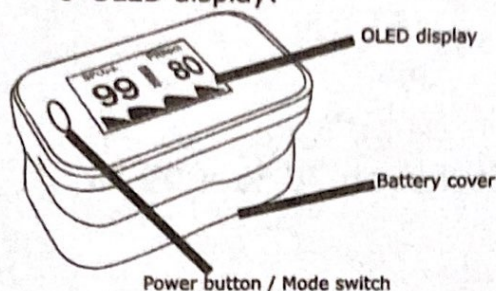
Hang rope installation

- 1, Put the rope thin end through the hole.
- 2, Put the rope coarser end through its already wearing thin end part and tighten.

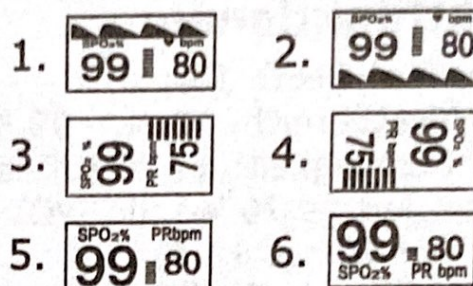


Brief Description of Front Panel

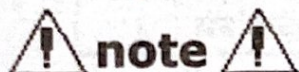
● OLED display:



● OLED display modes:



Keys function description: in standby mode, start the key instrument into the working state, push down this button under working state, can change the display mode.



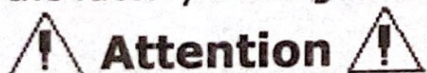
note

- instruments equipped with accelerometer function , OLED display mode only 1. 2.3.4, no large font interface according to 5.6
- The machine profile picture only for your reference use, specific in kind prevail

Parameter setup:

Press start button (>3s) , into parameter setup .As menu 1:

1. In menu 1, When the "*" signal is shown on the "Alm Setup", press the button (>3s) and enter into the menu . 2. Press the button (<1s) can select item, then press button (>3s) to set the on/off for alarm ,beep,demo and screen brightness adjustment (optional "1" , "2" , "3" and "4 "). When the "*" signal is shown on the "Restore", press the button (>3s) and all the settings are back to the factory settings.



Attention

- Using devices outdoors or under strong light, please adjust the screen brightness to a higher proper level for observation.
- It's better for user to choose a lower brightness to conserve battery power.

2. In menu 2, When the "*"signal is shown on the "Sounds Setup", press the button (>3s) and enter into the menu 2 ,Press the button (<1s) can select item ,then press the button (>3s) to setup data.choose "+"or"-" to plus or minus values.

Settings	
Alm Setup	*
Alm	off
Beep	off
Demo	off
Restore	OK
Brightness	3
Exit	

Menu 1

Settings	
Sounds Setup	*
Spo2 Alm Hi	100
Spo2 Alm Lo	85
PR Alm Hi	130
PR Alm Lo	50
+/-	+
Exit	

Menu 2

Note: If the matching refers to clamp oximeter is basic, not equipped with parameter setting function

Detailed descriptions of product functions:

1.Display Type: OLED display

2.SpO2: Measurement range: 70%~99%

Accuracy: 80%~99%:±2% (Including 80%);

70%~79%: ±3% ;

Below 70% no requirement;

Resolution: 1%

3.PR: Measurement range: 30BPM~240BPM

Accuracy: ±1BPM or ±1% (the larger one)

4.Parameters of LED probe

	wavelength	radiation power
RED	660±2nm	1.8mW
IR	905±10nm	2.0mW

This parameter can be especially useful to clinicians.

5. . PI index: measurement scope: 0~20 (optional)

6. Power: two AAA 1.5V alkaline batteries

7. Automatic standby: the product shuts off by itself when no finger is in the product about 8 seconds

8. Automatic startup: every 5 s instrument will automatically detect the signal, after the hole with my finger, timely automatically boot;(optional)

9. Accelerometer function: finger movement, the screen display will change with the accelerometer changes (optional)

10. Dimension: 58mm×36mm×33mm

11. Operation environment:

temperature: 5 °C ~ 40 °C

Humidity: 15% ~ 80%

Atmospheric pressure: 86kPa ~ 106kPa

Transport, storage environment:

Temperature: -10 °C ~ 40 °C

Humidity: ≤95%

Atmospheric pressure: 50kPa ~ 106kPa, non-corrosive gas and well-ventilated environment.

12. Declaration: EMC of this product comply with IEC60601-1-2 standard.

Classification

1.Management Class for Medical Devices: II equipment

2.Anti-electric Shock Type: Internally powered equipment

3.Anti-electric Shock Degree: Type BF equipment

Maintenance and Preservation

1.Replace the batteries timely when low voltage lamp is on.

2.Clean the surface of fingertip pulse oximeter before it is used to diagnose patients.















3.Remove the batteries inside if you will not operate the Oximeter for a long time.

4.It would be better to preserve the product in -10~40 °C (14-104 °F) and humidity is 10%-80%.

5.It is recommended that the product should be kept dry anytime. A wet ambience might affect its lifetime and even damage the product.

6.Please follow the law of the local government to deal with used batteries.

Symbols and Definitions

	BF type application part	IP22	IP degree		Serial number
	Separate collection		Humidity range		Date of manufacture
	Reference manual		Keep dry		Manufacturer
	Cautions	CE0123	Product certification		European union representative
	Standby		Temperature range		Avoid sunlight
	Up toward				

11. Operation environment:

temperature: 5 °C ~ 40 °C

Humidity: 15% ~ 80%

Atmospheric pressure: 86kPa ~ 106kPa

Transport, storage environment:

Temperature: -10 °C ~ 40 °C

Humidity: ≤95%

Atmospheric pressure: 50kPa ~ 106kPa, non-corrosive gas and well-ventilated environment.

12. Declaration: EMC of this product comply with IEC60601-1-2 standard.

Classification

1.Management Class for Medical Devices: II equipment

2.Anti-electric Shock Type: Internally powered equipment

3.Anti-electric Shock Degree: Type BF equipment

Maintenance and Preservation

1.Replace the batteries timely when low voltage lamp is on.

2.Clean the surface of fingertip pulse oximeter before it is used to diagnose patients.















3.Remove the batteries inside if you will not operate the Oximeter for a long time.

4.It would be better to preserve the product in -10~40°C (14-104°F) and humidity is 10%-80%.

5.It is recommended that the product should be kept dry anytime. A wet ambience might affect its lifetime and even damage the product.

6.Please follow the law of the local government to deal with used batteries.

Symbols and Definitions

	BF type application part	IP22	IP degree		Serial number
	Separate collection		Humidity range		Date of manufacture
	Reference manual		Keep dry		Manufacturer
	Cautions	CE0123	Product certification		European union representative
	Standby		Temperature range		Avoid sunlight
	Up toward				

Product Accessories

1. One hang lace
2. One user manual

Guidance and manufacture's declaration-electromagnetic radiation-for other EQUIPMENTS and SYSTEMS

The Fingertip Pulse Oximeter is designed to be used in specified electromagnetic environment . Users of the Fingertip Pulse Oximeter must use it in the following environments.

Radiation Test	Compliance	Electromagnetic environment-guidance
RF interference CISPR 11	Group 1	RF signal of Fingertip Pulse Oximeter is simply created by its internal function. Therefore, its RF interference is very low and is not likely to cause any interference to nearby electronic equipment.
RF interference CISPR 11	Class B	The Fingertip Pulse Oximeter applies to all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

Possible Problems and Resolutions

Problem	Possible reason	Solution
SpO2 or PR can not be shown normally	1. Finger is not plugged correctly 2. Patient's Oxyhemoglobin value is too low to be measured	1. Retry by plugging the finger 2. Try more times. If you can make sure there is no problem in the product, please go to hospital timely for exact diagnosis
SpO2 or PR is shown unsteady	1. The finger might not be plugged deep enough 2. Finger is trembling or the patient is on movement status	1. Retry by plugging the finger 2. Please remain at rest
The Oximeter can not be turned on	1. Inadequate power or power off 2. Batteries might be installed incorrectly 3. The Oximeter might be damaged	1. Please replace the batteries 2. Please reinstall the batteries 3. Please contact with local customer service centre
Indication lamps are suddenly off	1. The product automatically shuts off when no signal is detected in 8 seconds 2. Inadequate power	1. Normal 2. Replace the batteries

Reserves the right to technical change appearance, our products are subject to change without prior notice, please forgive me!

Statement:

- 1, Maintenance with data such as circuit diagram, components list, figure and the detailed rules of correction, injection, available only to the repair factory training qualified personnel and units.
- 2, The company can be in the form of email or other electronic files provide users with random files.
- 3, The instrument is not used for evaluation of blood oxygen probe pulse and pulse blood oxygen monitor accuracy.

After-sales service

Ensure that users

- Please read user manual before using the instrument;
- According to the requirement of the instruction manual for the operation and daily maintenance, and make sure the machine power supply, and environmental requirements

Maintenance time

Monday to Friday 9 to 17:30pm, except for the national legal holiday

Maintenance regulations

- To conform to the regulations, free maintenance within the scope of products, with warranty card for free maintenance. All that is beyond the scope of free maintenance product, provide paid services.
- With warranty card and shopping invoice, main machine for a year, accessories for three months are under free maintenance services from the date of purchase.
- Following does not belong to the scope of free maintenance
 - ☞ The fault caused by human factors, the damage;
 - ☞ Due to the use to be inconsistent with the provisions of our company work environment to cause damage;
 - ☞ Due to the product in the our company authorized personnel disassembling or repairing damaged;
 - ☞ Products beyond the warranty period.
- If any problem, please call us in 9: 00 am to 5: 30 pm from Monday to Friday(except national holiday), call us: 400-828-6667