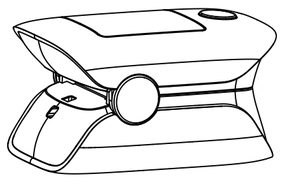
Size:400*297mm

Owner's Manual

Fingertip Pulse Oximeter

XM-111



Document No.: JDXM-0104-058 Version:A

General Description

Oxygen binds to hemoglobin in red blood cells when moving through the lungs. It is transported throughout the body as arterial blood. A pulse oximeter uses two frequencies of light (red and infrared) to determine the percentage(%)of hemoglobin in the blood that is saturated with oxygen. The percentage is called blood oxygen saturation, or SpO2. A pulse oximeter also measures and displays the pulse rate at the same time it measures the SpO2 level.

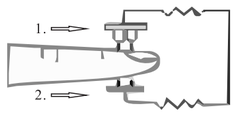
This device conforms to IEC60601-1, IEC60601-1-2, IEC60601-1-11, ISO 80601-2-61.

Measurement Principle

PRINCIPLE of the oximeter is as follows: The pulse oximeter works by applying a pulsating arteriolar vascular bed. The sensor contains a dual light source and photo detector. The one wavelength of light source is 660nm, which is red light the other is 905nm, which is infrared-red light skin, bone, tissue and venous vessels normally absorb a constant amount of light over time. The photo detector in finger sensor collects and converts the light into electronic signal which is proportional to the light intensity. The arteriolar bed normally pulsates and absorbs variable amounts of light during systole and diastole, as blood volume increases and decreases. The ratio of light absorbed at systole and diastole is translated into an oxygen saturation measurement. This measurement is referred to as SpO2.

Diagram of Operation Principle

1.Red and infrared-ray emission tube
2.Red and infrared-ray receipt tube



Safety Notice

1. Before use,carefully read the manual.
2. Do not use the pulse oximeter:
   -if you are allergic to rubber products.
   -if the device or finger is damp.
   -during MRI or CT scan.
   -while taking a blood pressure measurement on the arm.
   -nail polish, dirty, coating fingers and false nails applied fingers.
   -fingers with anatomical changes, edemas, scars or burns.
   -Too big finger: the width of finger is over than 20mm and the thickness is over than 15mm.
   -Too small finger: the width of finger is less than 10mm and the thickness is less than 5mm.
   -Minors under 18 years old.
   -The environmental light changes strongly.
   -near flammable or explosive gas mixtures.
3. Extended use may cause pain for people with circulatory disorders. Do not use the pulse oximeter for longer than two hours on one finger.
4. Measurements are for your information only - they are no substitute for a medical examination.
5. Check the pulse oximeter regularly before use to ensure that there is no visible damage and the batteries are still sufficiently charged. In case of doubt, do not use the device and contact customer services or authorized retailer.
6. Do not use any additional parts that are not recommended by the manufacturer.
7. Any circumstances do not open or repair the device by yourself. Failure to comply will result in voiding of the warranty. For repairs, please contact customer services or authorized retailer.
8. Do not look directly inside the housing during the measurement. The red light and the invisible infrared light in the pulse oximeter are harmful to your eyes.
9. This device is not intended for use by people (including children) with restricted physical, sensory or mental skills or a lack of experience or a lack of knowledge, unless they are supervised by a person who has responsibility for their safety or they receive instructions from this person on how to use the device. Children should be supervised around the device to ensure they do not play with it.
10. If the unit has been stored at temperatures below 0℃, leave it in a warm place for about two hours before using it.
11. If the unit has been stored at temperatures above 40℃, leave it in a cool place for about two hours before using it.
12. Neither of the displays for the pulse wave and pulse bar allows the strength of the pulse or circulation to be evaluated at the measurement site. Rather, they are exclusively used to display the current visual signal variation at the measurement site and do not enable diagnostics for the pulse.
13. Operation of the Fingertip Pulse Oximeter may be affected by the use of an electrosurgical unit (ESU).
14. Follow local ordinances and recycling instructions regarding disposal or recycling or the device and device components, including batteries.
15. This equipment complies with IEC 60601-1-2 for electromagnetic compatibility for medical electrical equipment and systems.In healthcare center or other environment, their radio transmission equipment and electromagnetic interference may affect the performance of the oximeter.
16. This equipment is not intended for use during patient transport outside the healthcare facility.
17. When the signal is not stable, the reading may inaccurate. Please do not reference.
18. Portable and mobile RF communications equipment can affect medical electrical equipment.
19. WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary,this equipment and the other equipment should be observed to verify that they are operating normally.
20. WARNING:PORTABLE RF communications equipment (includeing peripherals such as antenna cables and external antennas) should be used no closer than 30 cm(12 inches) to any part of Fingertip Pulse Oximeter , including cables specified by the MANUFACTURER.Otherwise, degradation of the performance of this equipment could result.

Important Testing Guidelines

1.Non-observance of the following instructions can lead to incorrect or failed measurements
-There must not be any nail polish, artificial nails or other cosmetics on the finger to be measured.
- Ensure that the finger nail on the finger to be measured is short enough that the fingertip covers the sensor element in the housing.
- Keep your hand, finger and body steady during the measurement.
- In cases of carbon monoxide poisoning, the pulse oximeter will display a measurement value that is too high.
- To avoid incorrect results, there should not be any strong light sources(e.g. fluorescent lamps or direct sunlight) in the immediate vicinity of the pulse oximeter.
- Protect the pulse oximeter from dust, shocks, moisture, explosive materials.
- Excessive patient movement.
2.The following situations may cause inaccurate measurements
- Significant levels of dysfunctional hemoglobin (such as carbonyl - hemoglobin or methemoglobin).
- Venous pulsations.
- Placement of a sensor on an extremity with a blood pressure cuff, arterial catheter,or intravascular line.
- The patient has hypotension, severe vasoconstriction, severe anemia, or hypothermia.
- The patient is in cardiac arrest or is in shock.
- Weak pulse quality (low perfusion).
- Low hemoglobin.

Intended purpose/Indications/Contraindications

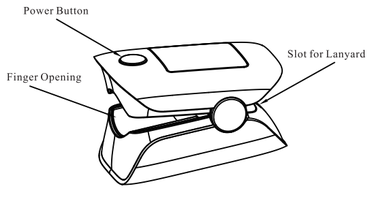
1.Indications for use/Intended Use:The Fingertip Pulse Oximeter is a portable non-invasive,spot-check,oxygen saturation of arterial hemoglobin and pulse rate of adult at home,and hospital (including clinical use in internist/surgery,anesthesia etc).
2.Medical indications:Oxygen saturation normal and hypoxemia.
3.Name of disease or condition:Well-being and the disease which may be result in hypoxemia.
4.Patient population:Adults.
5.Intended user:Professionals and Lay personal.
6.Contraindications:The device is not for continuously monitoring.

Unit Illustration

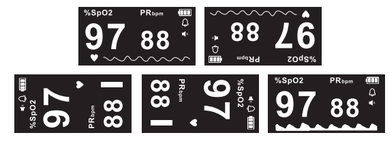
Package contents
- 1 x XM111 pulse oximeter
- 1 x Owner's Manual
- 1 x Lanyard

Optional accessories
- 2 x 1.5v AAA batteries

Monitor Unit



Display



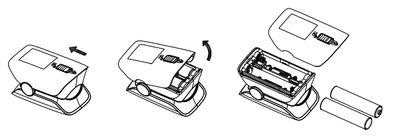
Features

1.Simple to operate and convenient to carry.
2.Small volume, light weight and low power consumption.
3.Displays SpO2, PR, Pulse bar, and waveform.
4.Level 1-5 adjustable brightness.
5.5 display modes.
6.A low voltage warning will be indicated in visual window when battery voltage is so low that normal operation of the oximeter might be influenced.
7.When it shows "Finger out",the pulse oximeter will power off automatically in 10 seconds.
8.Beep.
9.When the buzzer and reminder function are turned on, the numbers on the screen will flash when the reminder occurs, and the buzzer will beep.
10.Perfusion index (value in percent).

Unit Operation

Battery Installation

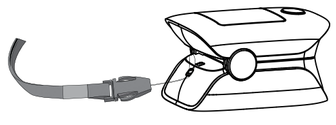
Follow the arrow to unlock the battery cover.Install 2 new AAA alkaline batteries according to polarity,install the battery cover and lock it in the opposite direction of the arrow.



Note:

1)Be sure to follow the correct polarity when installing the batteries. Reversed batteries may cause damage to the device.
2)Use only the size and type of batteries specified.
3)Do not mix different types of batteries together or old batteries with fresh ones. Always replace batteries as a simultaneous set.
4)Replace the batteries in a timely manner when low voltage lamp is lighted.
5)If the batteries in the device are depleted or the device will not be used for a long period of time, remove the batteries to damage or injury from possible battery leakage.
6)Do not try to recharge batteries not intended to be recharged; they can overheat and rupture.
7)Do not dispose of batteries in fire, batteries may explode or leak.
8)Keep batteries away from children and pets. Batteries may be harmful of swallowed. Should a child or pet swallow a battery, seek medical assistance immediately.
9)Please follow the law of the local government to deal with used batteries.

Attaching the Lanyard



System Settings

With power off, Press the power button about 2 seconds to actuate system setting.

Setting available for Tips, Beep, Language, Default, SpO2 Tips Lo, PR Tips Hi, PR Tips Lo and EXIT. Long press to enter the specific value setting, short press to switch among the setting items.

Settings	
Tips	* On
Beep	On
Language	EN
Default	

Settings	
SpO2 Tips Lo	* 90
PR Tips Hi	100
PR Tips Lo	50
Exit	

To Use

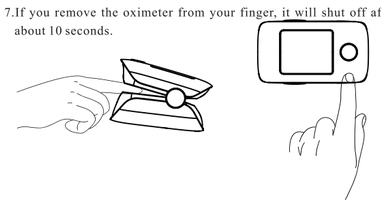
CAUTION: Please make sure your finger size is appropriate (fingertip width is about 10~20 mm, thickness is about 5~15 mm)

CAUTION: This device cannot be used in strong radiation environment. It can only be used after binding.

CAUTION: This device cannot be used with other medical devices or non-medical devices.

CAUTION: When placing your fingers, ensure your fingers can completely cover the LED transparent window in the finger clamp compartment.

1. As shown in the figure, squeeze the clip of the pulse oximeter, fully insert your finger into the finger clip compartment, and then loosen the clip
2. Press the power button one time on front panel to turn the pulse oximeter on.
3. Keep your hands still for the reading. Do not shake your finger during the test. It is recommended that you do not move your body while taking a reading.
4. Read the data from the display screen.
5. To select your desired display brightness, press and hold the power button during operaion untill the brightness level changes.
6. To choose among the various display formats, press the power button briefly during operation.
7. If you remove the oximeter from your finger, it will shut off after about 10 seconds.



Cleaning and Maintenance

1. Please use medical alcohol to clean the silicone touching the finger inside of oximeter with a soft cloth dampened with 70% isopropyl alcohol. Also clean the being tested finger using alcohol before and after each test.
2. Do not pour or spray liquids onto the oximeter, and do not allow any liquid to enter any openings in the device allow the oximeter to dry thoroughly before reuse.
3. The Fingertip Pulse Oximeter requires no routine calibration or maintenance other than replacement of batteries.
4. The expected lifetime of the device is 3 years when it is used for 10 measurements every day and 10 minutes per one measurement. Stop using and contact local service center if one of the following cases occurs:
   - An error in the Possible Problems and solutions is displayed on screen.
   - The oximeter cannot be powered on in any case and not the reasons of battery.
   - There is a crack on the oximeter or damage on the display resulting readings cannot be identified;the spring is invalid;or the key is unresponsive or unavailable.
5. Cleaning

Cleaning procedures:

a) Put the oximeter on a clean table.

b) Use a clean lint-free soft cloth dipped in water to wring it out and clean the surface of the oximeter and the upper and lower finger pads.

c) If there are obvious stains, use commercially available neutral detergent to wipe and clean. After the stains are cleaned up, use a clean lint-free soft cloth dipped in water to wring out and clean the surface of the blood oxygen meter and the upper and lower finger pads.

d) Fully dry the oximeter in a ventilated place.

Troubleshooting Guide

Problem	cause	Solution
Monitor do not display	Batteries are depleted	Replace the batteries
	Batteries not inserted correctly	Reinsert the batteries. If after reinserting the batteries correctly There are still no measurement values displayed, contact customer service
Measurements are erratic	Insufficient circulation in the measurement finger	Observe the Important Guidelines
	Finger,hand or body is moving	Keep your finger, hand and body still during the measurement
	Cardiac arrhythmia	Seek medical attention
Measurements can not be shown normally	Finger is not inserted correctly	Retry by inserting the finger
	Patient's SpO2 value is too low to be measured	There is excessive illumination; Or, Try some more times. If you can make sure no problem exist in the product, please go to a hospital timely for exact diagnosis.

Specifications

Model	XM-111	
Display	0.96" display	
SpO2	Display Range	0%~100%
	Measurement Range	70%~100%
	Accuracy	70%~100% ±2% 0%~69% no definition
	Resolution	1%
Pulse Rate	Display Range	0~240bpm
	Measurement Range	30~240bpm
	Accuracy	30~100bpm,±2bpm; 101~240bpm,±2%
	Resolution	1bpm
Power supply	2x1.5vAAA batteries	
Weight	Approx.54g	
Dimensions	Approx.60.2mm*35mm*35.5mm	
Operating Environment	Temperature	5℃~40℃
	Humidity	15%~93%RH
	Pressure	700hPa~1060hPa
Storage Environment	Temperature	-20℃~55℃
	Humidity	15%~93%RH
	Pressure	700hPa~1060hPa
Ingress Protection Rating	IP22	
Classification	Internal Powered Equipment Type BF	
The Data UPDATE period	Less than 12s	

Note: The functional tester cannot be used to assess the accuracy of the oximeter. The test methods used to establish the SpO2 accuracy is clinical testing. The oximeter used to measure the arterial haemoglobin oxygen saturation levels and these levels are to be compared to the levels determined from arterial blood sampling with a CO-oximeter.

1.EN ISO 80601-2-61, medical electrical equipment - part 2-61: particular requirements for the basic safety and essential performance of pulse oximeter equipment.
2.EN 60601-1: medical electrical equipment -- part 1: general requirements for basic safety and essential performance.
3.EN 60601-1-2, medical electrical equipment -- part 1-2: general requirements for basic safety and essential performance -- collateral standard: electromagnetic disturbances -- requirements and tests (General II (ES/EMC)).
4.EN 60601-1-11, medical electrical equipment -- part 1-11: general requirements for basic safety and essential performance - collateral standard: requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment.

Correct disposal of this product.
(Waste electrical & electronic equipment)
This icon shown on the product indicates that it should not be disposed with other household waste at the end of its life. To prevent potential harm to the environment or to human health, please separate this product from other types of wastes and recycle it responsibly. When disposing this type of product, contact the retailer where product was purchased or contact your local government office for details regarding how this item can be disposed in an environmentally safe recycling center. Business users should contact their supplier and check the terms and conditions of the purchasing agreement. This product should not be mixed with other commercial wastes for disposal. This product is free of hazardous materials.

Icon Explanation

Symbol	Definition	Symbol	Definition	Symbol	Definition
CE 0123	European union approval		Manufactu-rer's information	MD	Medical device
	Conformity to WEEE Directive		Date of Manufactu-re	UDI	Unique device Identifier
	Caution	LOT	Batch Code		Non-ionizing electromagnetic radiation
IP22	Protected against dripping water.		Temperature Limit		Low power indication
⎓	Direct Current		Humidity limitation	X	Beep OFF
	Type BF applied part		Atmospheric pressure limitation		Beep ON
	Follow instruction for use	SN	Serial No.		Tips OFF
EC REP	Authorized representat-ive in the European community		Alarm inhibit		Tips ON
SpO2%	Oxygen saturation	PRbpm	Pulse rate (BPM)		

Statement of Essential performance

a) When the Oximeter is placed on the patient's finger or simulated finger, the SpO2 values and PR values can be displayed normally.
b) Measurement accuracies:
* Clinical accuracy of SpO2: in the range of 70%-100% (Arms: < 3);
* For each range specified,SpO2 ACCURACY of the PULSE OXIMETER EQUIPMENT shall be stated in terms of the root-mean-square(rms) difference between measured values (SpO_{2i}) and reference values (S_{Ri}).

$$Arms = \sqrt{\frac{\sum_{i=1}^{n}(SpO_{2i} - s_{Ri})^2}{n}}$$

Probe Accuracy of Oximeter

Items	Descriptionss
Clinical SpO2 accuracy (70-80%)	Arms: < 3
Clinical SpO2 accuracy (80-90%)	
Clinical SpO2 accuracy (90-100%)	
Sterile	Non-sterile
Default settings	None
Reuse	Disinfect for repeated use

1. Instructions for the frequency of inspection of the application site for skin integrity：
   Before each finger is inserted into the oximeter probe, the integrity of the skin should be visually checked to ensure that the skin is free from injury and other conditions.
2. Instructions for the frequency of sensor relocation：
   There is no need to replace the blood oxygen sensor within the service life of the product.
3. Use during exercise and weak perfusion:

(1) DO NOT move your finger, arm and body during the measurement. Movement, including talking, coughing, or sneezing, during measurement, can affect the accuracy of the measurement results.
(2) The reading should NOT be considered reliable and accurate in the condition of low perfusion during measurement.

The sensor with specific monitor has been validated and tested for compliance with EN ISO 80601-2-61:2017 and FDA Guidance--Pulse Oximeters - Premarket Notification Submissions [510(k)s].
In the clinical recruitment, the data is obtained from a controlled, induced hypoxia study in healthy adult volunteers. A total of 12 subjects including 5 females and 7 males were recruited from the healthy adult volunteers aged from 22 to 45 without smoker. In the clinical evaluation, 288 paired data of the 12 adults were validated.

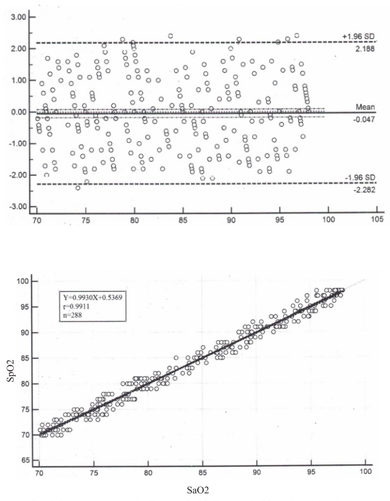


Fig. 2: Linear regression fit (X axis is SaO2, Y axis is SpO2 for the subject device)

Electromagnetic Compatibility Information

The device satisfies the EMC requirements of the international standard IEC 60601-1-2. The requirements are satisfied under the conditions described in the table below. The device is an electrical medical product and is subject to special precautionary measures with regard to EMC which must be published in the instructions for use. Portable and mobile HF communications equipment can affect the device. Use of the unit in conjunction with non-approved accessories can affect the device negatively and alter the electromagnetic compatibility. The device should not be used directly adjacent to or between other electrical equipment.

Table 1

Guidance and manufacturer's declaration – electromagnetic emission		
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.		
Emissions test	**Compliance**	**Electromagnetic environment – guidance**
Conducted emission CISPR 11	Not applicable	
Radiated emission CISPR 11	**Group 1** Class B	The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Not applicable	

Table 2

Guidance and manufacturer's declaration – electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment - guidance**
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	± 8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	Floors should be wood, concrete or ceramic tile. If flows are covered with synthetic material, the relative humidity should be at least 30 %.
Electrostatic transient / burst IEC 61000-4-4	± 2 kV for power supply lines 100 kHz repetition frequency ± 1 kV for input/output lines	N/A	N/A
Surge IEC 61000-4-5	± 0.5 kV, ± 1 kV differential mode line-line	N/A	N/A
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % UT (100 % dip in UT) for 0,5 cycle at 0°, 45°, 90°, 135°,180°, 225°, 270°, and 315° 0 % UT (100 % dip in UT) for 1 cycle at 0° 70 % UT (30 % dip in UT) for 25/30 cycles at 0° 0 % UT (100 % dip in UT) for 250/300 cycle at 0°	N/A	N/A
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m, 50/60Hz	30 A/m, 50/60Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE: UT is the a. c. mains voltage prior to application of the test level.

Table 3

Guidance and manufacturer's declaration – electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment - guidance**
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz 6 Vrms 150 kHz to 80 MHz outside ISM bandsa	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance** $d = \left[\frac{3.5}{V_1}\right]\sqrt{P}$ $d = \left[\frac{3.5}{E_1}\right]\sqrt{P}$ 80MHz to 800MHz $d = \left[\frac{7}{E_1}\right]\sqrt{P}$ 800MHz to 2.7GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres(m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, * should be less than the compliance level in each frequency range b Interference may occur in the vicinity of equipment marked with the following symbol:
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz	10 V/m	

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.

b The compliance levels in the ISM frequency bands between 150 kHz and 80 MHz and in the frequency range 80 MHz to 2,7 GHz are intended to decrease the likelihood that mobile/portable communications equipment could cause interference if it is inadvertently brought into patient areas. For this reason, an additional factor of 10/3 has been incorporated into the formulae used in calculating the recommended separation distance for transmitters in these frequency ranges.

c Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the device.

d Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Table 4

Recommended separation distances between RF wireless communications equipment					
The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between RF wireless communications equipment and the device as recommended below, according to the maximum output power of the communications equipment.					
Frequency MHz	**Maximum Power W**	**Distance**	**IEC 60601 Test Level**	**Compliance Level**	**Electromagnetic Environment - Guidance**
385	1.8	0.3	27	27	RF wireless communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance** $E = \frac{6}{d}\sqrt{P}$ Where P is the maximum output power rating of the ransmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitter, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:
450	2	0.3	28	28	
710 745 780	0.2	0.3	9	9	
810 870 930	2	0.3	28	28	
1720 1845 1970	2	0.3	28	28	
2450	2	0.3	28	28	
5240 5500 5785	0.2	0.3	9	9	
Note 1: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.					

WARNINGS!

• This device should not be used in the vicinity or on the top of other electronic equipment such as cell phone, transceiver or radio control products. If you have to do so, the device should be observed to verify normal operation.
• The use of accessories and power cord other than those specified, with the exception of cables sold by the manufacturer of the equipment or system as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.

Warranty

The Fingertip Pulse Oximeter is guaranteed for 1-year from the date of purchase. If the Fingertip Pulse Oximeter does not function properly due to defective components or poor workmanship, we will repair or replace it freely. The warranty does not cover damages to your Fingertip Pulse Oximeter due to improper handling. Please contact local retailer for details.

Contact Information

JOYTECH Healthcare Co., Ltd.
No.365, Wuzhou Road,311100 Hangzhou, Zhejiang Province,PEOPLE'S REPUBLIC OF CHINA
Shanghai International Holding Corp.GmbH(Europe)
Eiffestrasse 80,20537 Hamburg,Germany
The product is in compliance with requirements of MDR2017/745,"0123"is the identification number of notify body
Please contact us on:
Email: info@sejoy.com
Telephone: +86-571-81957767
Fax: +86-571-81957750

Importer：
Cano Healthcare
WD19 6XR, UK
www.canohealthcare.com