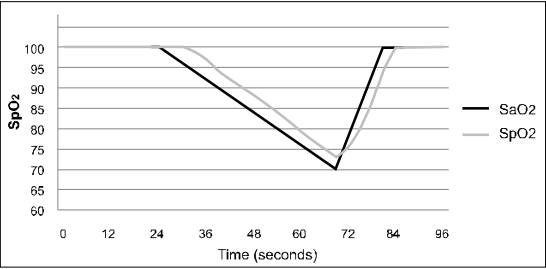


IR	905±10nm	2.4mW
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5. Power Requirements: Lithium battery (250mAH) for power supply
Battery Life: One 250mAH, 3.7V lithium battery could be continuously operated as long as 2 hours.
Input voltage / frequency: AC100V-240V, 50Hz/60Hz
Output voltage / current: DC5V, 1000mA (MAX)

6. Environment Requirements
Operation Temperature: 0°C~40°C
Storage/ Transport Temperature: -25°C~+70°C
Ambient Humidity: 15%~93% no condensation in operation; ≤93% no condensation in storage/transport
Atmosphere pressure: 70kPa~106kPa
Notes: When the ambient temperature is 20°C, it is required 6 hours for the equipment to warm from the minimum storage temperature or 4 hours to cool from the maximum storage temperature between uses until it is ready for its intended use.

7. Equipment data update period
As shown in the following figure, the average data update period is 8s.



8. Classification
According to the type of protection against electric shock: INTERNALLY POWERED EQUIPMENT
According to the degree of protection against electric shock: TYPE BF APPLIED PART (applied part: the rubber hole of the device)
According to the degree of protection against ingress of water: IP22
According to the mode of operation: CONTINUOUS OPERATION

Possible Problems and Solutions

Problems	Possible reason	Solution
SpO ₂ or PR cannot be shown normally.	1. Finger is not inserted correctly. 2. User's SpO ₂ value is too low to be measured.	1. Retry by inserting the finger. 2. There is excessive illumination. 3. Try some more times. If you can make sure no problem exists in the product, please go to a hospital timely for exact diagnosis.
SpO ₂ or PR is shown unstably.	1. Finger might not be inserted deep enough. 2. Excessive user movement.	1. Retry by inserting the finger. 2. Be calm.
The oximeter cannot be powered on.	1. No battery or low power of battery. 2. Batteries might be installed incorrectly. 3. The oximeter might be damaged.	1. Please replace batteries. 2. Please reinstall the batteries. 3. Please contact local customer service center.
Indication lamps are suddenly off.	1. The product is automatically powered off when no signal is detected longer than 8s. 2. The battery power is too low to work.	1. Normal. 2. Replace the batteries.
“ER 7” is displayed on screen.	ER 7 means all the emission LED or reception diode is damaged.	Please contact local customer service center.

Symbol Definitions

Symbol	Definition	Symbol	Definition
	Type BF applied part		Caution
	Follow instructions for use	%SpO ₂	Oxygen Saturation
	Pulse Rate (bpm)		Bluetooth indication
	Unstable signal indication		Low power indication
	No SpO ₂ Alarm		Serial No.
	Storage temperature and relative humidity		Conformity to WEEE Directive
	Date of Manufacture		Manufacturer's information
IP22	The degree of protection against ingress of dust and water		

Electromagnetic Compatibility

The device conforms to IEC60601-1-2 Electromagnetic Compatibility (EMC) standard. Essential performance is defined as SpO₂ accuracy and pulse rate accuracy or an indication of abnormal operation. Accuracies may be affected as a result of exposure to electromagnetic disturbances that are outside of the environments listed in the intended use. If issues are experienced, move the device away from the source of electromagnetic disturbances.

Table 1	
Guidance and manufacturer's declaration - electromagnetic emissions	
The Pulse Oximeter is intended for use in the electromagnetic environment specified below. The customer or the user of the Pulse Oximeter should assure that it is used in such an environment.	
Emission test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
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 Pulse Oximeter is intended for use in the electromagnetic environment specified below. The customer or the user of the Pulse Oximeter should assure that it is used in such an environment.		
Immunity test	IEC 60601 test level	Compliance Level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	±8 kV contact ±15 kV air
Electrical transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV signal input/output	Not Applicable
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	Not Applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % U _T ; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°. 0 % U _T ; 1 cycle and 70 % U _T ; 25/30 cycles; Single phase: at 0°. 0 % U _T ; 250/300 cycle	Not Applicable
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
NOTE U _T is the a.c. mians voltage prior to application of the test level.		

Table 3		
Guidance and manufacturer's declaration - electromagnetic Immunity		
The Pulse Oximeter is intended for use in the electromagnetic environment specified below. The customer or the user of the Pulse Oximeter should assure that it is used in such an environment.		
Immunity test	Immunity test	Immunity test
Conduced RF IEC61000-4-6	Conduced RF IEC61000-4-6	Conduced RF IEC61000-4-6
Radiated RF IEC61000-4-3	Radiated RF IEC61000-4-3	Radiated RF IEC61000-4-3
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 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 Pulse Oximeter is used exceeds the applicable RF compliance level above, the Pulse Oximeter should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Pulse Oximeter. ^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.		

Table 4				
Test Frequency (MHz)	Band ^{a)} (MHz)	Service ^{a)}	Modulation ^{b)}	IMMUNITY TEST LEVEL (V/m)
385	380 –390	TETRA 400	Pulse modulation ^{b)} 18 Hz	27
450	430 –470	GMRS 460, FRS 460	FM ^{c)} ± 5 kHz deviation 1 kHz sine	28
710	704 – 787	LTE Band 13, 17	Pulse modulation ^{b)} 217 Hz	9
745				
780				
810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation ^{b)} 18 Hz	28
870				
930				
1720	1 700 – 1 990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation ^{b)} 217 Hz	28
1845				
1970				
2450	2 400 – 2 570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7 WLAN 802.11 a/n	Pulse modulation ^{b)} 217 Hz Pulse modulation ^{b)} 217 Hz	28 9
5240				
5500				
5785	5 100 – 5 800			
NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.				
^{a)} For some services, only the uplink frequencies are included.				
^{b)} The carrier shall be modulated using a 50% duty cycle square wave signal.				
^{c)} As an alternative to FM modulation, 50% pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.				

Table 5		
Test Frequency	Modulation	IMMUNITY TEST LEVEL

		(A/m)
30 kHz ^{a)}	CW	8
134,2 kHz	Pulse modulation ^{b)} 2,1 Hz	65 ^{c)}
13,56 MHz	Pulse modulation ^{b)} 50 Hz	7,5 ^{c)}
^{a)} This test is applicable only to ME EQUIPMENT and ME SYSTEMS intended for use in the HOME HEALTHCARE ENVIRONMENT. ^{b)} The carrier shall be modulated using a 50% duty cycle square wave signal. ^{c)} r.m.s., before modulation is applied.		

FCC Declaration
Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Box Contents

1. One Pulse Oximeter

2. One USB Charge Cable

3. One User Manual

Applicable Models

OX200

Notes:
1. The illustrations used in this manual may differ slightly from the appearance of the actual product.
2. The specifications are subject to change without prior notice.

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