

# iHealth<sup>®</sup>

## Wireless Pulse Oximeter



OWNER'S MANUAL

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## INTRODUCTIONS AND INTENDED USE

Thank you for choosing the iHealth Wireless Pulse Oximeter. The pulse oximeter can be used to measure blood oxygen saturation and pulse rate. The pulse oximeter is not a medical device and should only be used by healthy individuals who are performing non-medical sports or recreational activities. It is intended to be used for spot monitoring and not for continuous monitoring.

### Compatibility

The iHealth Wireless Pulse Oximeter works with the following devices:

iPhone 5+

iPad 3+

iPad Mini+

iPad Air+

iPod Touch (5th generation)

Select Android devices

Requires iOS version 7.0+ or Android version 4.4+

## PACKAGE CONTENTS

One (1) iHealth Pulse Oximeter

One (1) Lanyard

One (1) User Manual

One (1) Quick Start Guide

One (1) USB cable

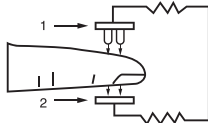
## PARTS AND DISPLAYS



## PRODUCT DESCRIPTION

The iHealth Wireless Pulse Oximeter measures the amount of oxygen in your blood and your pulse rate. The oximeter works by shining two light beams into the small blood vessels or capillaries of the finger, reflecting the amount of oxygen in the blood and displaying the measurement on the oximeter's screen. The oxygen saturation (SpO<sub>2</sub>) is measured as a percentage of full capacity.

Typically, a SpO<sub>2</sub> reading between 96%-99% is considered normal. High altitudes and other factors may affect what is considered normal for a given individual.



## PRODUCT SPECIFICATIONS

1. Product Model: PO3
2. Display System: LED
3. Power Source: Lithium-ion battery
4. Peak wavelength: 660nm/880nm
5. SpO2 Measuring Range: 70-99%
6. Average Root Mean Square (ARMS) of SpO2 Accuracy: 80% ~ 99%:  $\pm 2\%$ , 70% ~ 79% :  $\pm 3\%$ , <70%: no definition
7. Pulse Rate Measuring Range: 30-250 bpm
8. Pulse Rate Accuracy: 30 ~ 99 bpm:  $\pm 2$  bpm, 100 ~ 250 bpm:  $\pm 2\%$
9. Automatic Shut-off: After 8 seconds of no activity on the sensors
10. Operation Environment: 5 °C -40 °C ; Humidity <80%
11. Storage Environment: -20 °C -55 °C ; Humidity <95%

## USING YOUR PULSE OXIMETER

Charge The Battery Before First Use

Plug the iHealth Wireless Pulse Oximeter into a USB port for three hours or until the battery indicator turns off.

Download App

Download the free "iHealth MyVitals" app from the Apple App Store or Google Play Store. Follow the on-screen instruction to register and set up your iHealth user account.

Access iHealth Cloud

Upon setting up your app user account, you will also have access to a free, secure

iHealth Cloud account by using your app email and password. Go to [www.ihealth-labs.com](http://www.ihealth-labs.com), then click on "Sign In".

#### Turn Bluetooth "On"

Your iHealth Wireless Pulse Oximeter uses Bluetooth 4.0 Low Energy (BLE) technology. Enable Bluetooth on your mobile device and launch the app to initiate the connection. The Bluetooth icon will light up and stop flashing when a successful connection is established. The date and time of the Pulse Oximeter will be synced with your mobile device upon first successful connection.

#### TESTING INSTRUCTIONS

1. Open the clamp of the Pulse Oximeter, then place your middle, ring or index finger of your left hand into the rubber opening of the oximeter with nail side down and display side up, as pictured.



2. On the front panel, press the "Start" button once to turn the oximeter on.
3. Keep your hand still for the reading.
4. After a few seconds, your SpO2 reading will appear on the oximeter display screen and the app if the app is turned on.
5. If the signal strength is too low, switch to another finger and perform the test again.

## USING WITHOUT MOBILE DEVICE

After the pulse oximeter has been used with your mobile device the first time, the date and time of the pulse oximeter will be synchronized. The oximeter can also be used without being connected to an mobile device. In this case, the measurement data is stored in memory and can be uploaded to the app when the connection is re-established. The pulse oximeter can store up to 100 measurements. When the memory is full, any new measurements overwrite the oldest ones.

## CARE AND MAINTENANCE

1. Clean the device once per week, carefully swabbing inside the device with a soft cloth or cotton swab with rubbing alcohol. Do not pour the alcohol directly on or into the device.
2. Do not drop this device or subject it to strong impact.
3. Avoid direct sunlight exposure and high temperatures.
4. Do not immerse the device in water.
5. If this device is stored near freezing, allow it to acclimate to room temperature before use.
6. Do not attempt to disassemble this device.

## WARNINGS AND CAUTIONARY ADVICES

1. Do not use the iHealth Wireless Pulse Oximeter in a magnetic resonance (MR) environment.
2. Limit finger movement as much as possible when using the device. Otherwise, the pulse oximeter might misinterpret excessive movement as good pulse strength.
3. Do not use the pulse oximeter on the same hand/arm when using a blood pressure cuff or monitor.

4. The pulse oximeter has no alarms and will not sound if the amount of oxygen in your blood is low or if your pulse is too high or low.
5. The pulse oximeter must be clean for a proper reading.
6. Your finger must be clean to ensure a proper reading.
7. Any of the following conditions may cause inaccurate measurements of the pulse oximeter, including BUT NOT LIMITED TO:
  - Flickering or very bright light;
  - Poor blood circulation;
  - Low hemoglobin;
  - Hypotension, severe vasoconstriction, severe anemia or hypothermia;
  - Nail polish, and/or artificial nails;
  - Any tests recently performed on you that required an injection of intravascular dyes.
8. The pulse oximeter may not work if you have poor circulation. Rub your finger to increase circulation, or place the device on another finger.
9. The pulse oximeter measures oxygen saturation of functional hemoglobin. High levels of dysfunctional hemoglobin (caused by sickle cell anemia, carbon monoxide, etc.) could affect the accuracy of the measurements.
10. Do not use the pulse oximeter in a combustible environment (i.e., oxygen-enriched environment).
11. Do not use the pulse oximeter outside the specified operating and storage temperature ranges.
12. Field strengths from transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast towers, and TV broadcast towers may affect accuracy.
13. The materials used in the pulse oximeter are non-toxic and present no health hazards when used as intended.
14. Use in emergency vehicles with communication systems may affect reading accuracy.




15. The packing material of the pulse oximeter are recyclable and must be collected and disposed of according to the related regulations in the country or region where the package of the device or its accessories is opened.

16. Any non-recyclable materials of the pulse oximeter must be disposed of in strict compliance with local rules and regulations.

17. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
SpO2 or pulse rate shows no value, or the number fluctuates.	1.Finger may not be inserted correctly. 2.Finger or hand may be moving.	1.Remove finger and re-insert, as directed. 2.Try to keep perfectly still and test again.
The device does not turn on.	1.The battery may be low. 2.The device might be damaged.	1.Charge the battery and try again. 2.Please contact iHealth Customer Service at 1-855-816-7705 or support@ihealthlabs.com
Low Battery indicator is  blinking.	The battery is low.	Charge the battery and try again.
The app cannot find the iHealth Pulse Oximeter.	The Bluetooth may not be working.	Re-establish the Bluetooth connection. If still not successful, restart your mobile device and press the button on the Pulse Oximeter for about 8 seconds to reset.

## IMPORTANT INFORMATION REQUIRED BY THE FCC

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment of and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## IMPORTANT INFORMATION REQUIRED BY THE INDUSTRY CANADA

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by

Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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