O2Ring
Wearable Oxygen Monitor

User Manual

1. Introduction

1.1.Intended use

This product is intended to be used for measuring, displaying and storing of pulse oxygen saturation (SpO2), pulse rate of adults in home or healthcare facilities environment for sleep or daily use.
Notice: This product is intended for general wellness use. It should not be used to directly diagnose or treat any medical condition.

1.2.Warnings and Cautions

• DO NOT squeeze the sensor part or apply excessive force on it.

• Do not use this device during MRI examination.
• Do not use this device with a defibrillator.
• Do not store the device in the following locations: locations in which the device is exposed to direct sunlight, high temperatures or levels of moisture, or heavy contamination; locations near to sources of water or fire; or locations that are subject to strong electromagnetic influences.
• Do not use the device in a combustible environment.
• Never submerge the device in water or other liquids.
• Do not clean the device with acetone or other volatile solutions.
• Do not drop this device or subject it to

strong impact.
• The device and accessories are provided non-sterile.
• Do not place this device in pressure vessels or gas sterilization device.
• Do not dismantle the device, as this could cause damage or malfunctions or impede the operation of the device.
• Consult your doctor immediately if you experience symptoms that could indicate acute disease.
• Do not self-diagnose or self-medicate on the basis of this device without consulting your doctor. In particular, do not start taking any new medication or change the type and/or dosage of any existing medication without prior approval.
• Use only cables, sensors and other accessories specified in this manual.
• Prolonged continuous monitoring may increase the risk of undesirable changes in skin characteristics, such as irritation, reddening, blistering or burns.
• Do not open the device cover without authorization. The cover should only be opened by a qualified service personnel.
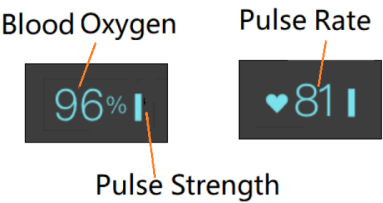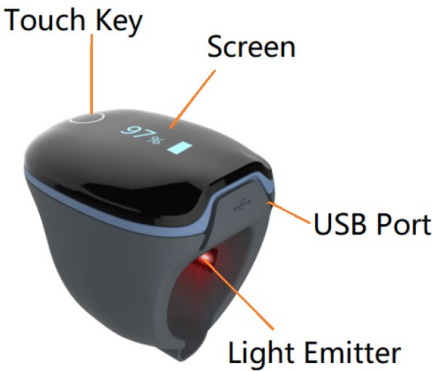
1.3.Guide to Symbols

Symbol	Description
	Manufacturer
	Date of manufacture
SN	Serial number
	Indicates a medical device that is not to be disposed of as unsorted municipal waste.
	Follow Instructions for Use.
	Type BF Applied Part
	No alarm system

MR	MRI unsafe. Presents hazards in all MR environments as device contains strongly ferromagnetic materials.
IP22	Resistant to liquid ingress
CE 0197	CE marking
EC REP	Authorized representative in the European community
UK CA	UKCA marking
UK REP	Authorized Representative in the United Kingdom
FC	This product complies with the rules and regulations of the Federal Communication Commission.
	Non-ionizing radiation

1.4.Unpacking

• Device
• User Manual
• Data/Charging Cable

2. Overview

Touch Key, Screen, USB Port, Light Emitter

Blood Oxygen 96%, Pulse Rate ♥81, Pulse Strength

3. Using the Device

3.1.Charging

Charge the battery before using.
Connect the device to computer USB or USB charging adapter with USB cable.
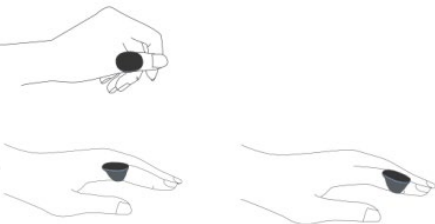After fully charged, the device will power off automatically.

3.2.POWER ON/OFF

POWER ON:
Wear the device, it will turn on automatically.
POWER OFF:
The device turns off automatically in a moment after you take it off.

3.3.Typical steps

1.**START.** Charge the battery. Wear the device to power on.
2.**STOP.** Take off the device, the recording will be over after the countdown.
3.**DATA SYNC**. After the countdown, run App to sync data. OR next time after you turn on the device, run App to sync.

APP

3.4.Start working

1) Wear the device on thumb finger, index finger

as option in case of too tight for thumb. Try to move the device along the forefinger to find out a best fit. Avoid being loose. Loose wearing causes inaccurate measure.

2) Device will turn on automatically. After a few seconds, the device will begin to monitor.

Notice:
- **Keep snug enough, loose wearing may cause inaccurate readings.**
- **DO NOT use middle finger; if too tight for thumb or forefinger, try little finger.**
- If the working time is less than 2 minute, the data will not be saved.
- Please avoid excessive motion.
- Please avoid strong ambient light condition.

3.5.Stop working & sync data

Take off the device, the countdown will begin.
(If the working time is less than 2 minute, there will be no countdown)
During the countdown, if you wear the device again, the record will be resumed. After the countdown, the data will have been saved in device and ready to sync.

Sync data:
- After the countdown, run App to sync data;
- OR next time after you turn on the device, run App to sync.

Notice: The built-in memory can store 4 sessions. The oldest will be overwritten by the 5th. Please sync data to your phone in time.

3.6.Screen Wake up

The screen will go off automatically for saving power in Standard Mode; you can touch the key on top to wake up the screen.

3.7.How to Check Battery

Touch the key on top, you can switch display between readings and battery.

3.8.Unavailable Symbol

When this symbol displays on device screen, it indicates the readings is unavailable right now.
It may caused by:
- Excessive movement;

- Poor signal, finger is too cold;
Usually, the readings will recover in a few seconds when at rest.

3.9.Download App

App name: **ViHealth**
iOS: **App Store**
Android: **Google Play**

Compatibility
The device is compatible with iOS versions 9.0+ and Android versions 5.0+.
Please Refer the ViHealth app manual for more details.

3.10.Bluetooth Connection

The device Bluetooth will be enabled automatically after it's turned on.
To establish a Bluetooth connection,
1) Keep the device Bluetooth enabled.
2) Make sure the phone Bluetooth is enabled.
3) Run the App.
Notice: DO NOT PAIR in the settings of your smart device.

4. PC software

PC Software: **O2 Insight Pro**
Download from: **www.getwellue.com**
Enter top menu: Support->PC Software.
Install the software on Windows(win 7/8/10) or MacOS(10.13 or above).

Install the software on PC:
1) Turn on device, connect the device to PC USB port with the supplied Data Cable (it's different from universal USB cable)
2) Run the PC software, click the Download button to download data from the device.

With the PC software, you can view and print sleep report, which can also be exported as PDF or CSV files.
Note: while the device is being connected to app, it can't connect to PC software.

5. Maintenance

5.1.Time & Date
After connection with App, device time will sync from your phone time automatically.

5.2.Cleaning
Use a soft cloth moistened with water or alcohol to clean the device surface.

6. Troubleshooting

Problem	Possible Cause	Possible Solution
Device does not turn on or no response	Battery may be low.	Charge battery and try again.
	Device might be damaged.	Please contact your local distributor.
	Software exception	Keep device in charging, touch the key for 8 seconds.
The app cannot find the device	The Bluetooth of your phone is off.	Turn on the Bluetooth in the phone.
	The device Bluetooth is off.	Turn on device
	For **Android**, Bluetooth cannot work without location permission	Allow location access
Only one Light Emitter on the ring turns red.	This is normal, the O2Ring only has one light emitter.	No need to worry about it.

For more information about O2RIng, please visit:
https://getwellue.com/pages/faqs

7. Specifications

Environmental	Operating	Storage
Temperature	5 to 40°C	-25 to 70°C
Relative humidity (non-condensing)	10% to 95%	10% to 95%
Barometric	700 to 1060hPa	700 to 1060hPa
Protection against electric shock	Internally powered equipment	
Degree protection against electrical shock	Type BF	
Electro-magnetic	Group I, Class B	

Degree of dust & water resistance	IP22
Weight	15 g
Size	38×30×38 mm
Battery	3.7Vdc, Rechargeable Lithium-polymer
Charge time	2-3 hours
Battery life	12-16 hours for typical use
Wireless	Bluetooth 4.0 BLE
Oxygen level range	70% to 99%
SpO2 Accuracy (Arms)	80-99%:±2%, 70-79%:±3%
Pulse Rate range	30 to 250 bpm
Pulse Rate accuracy	±2 bpm or ±2%, whichever is greater
Vibration source	low oxygen level; high/low pulse rate
Recorded parameters	Oxygen level, Pulse Rate, motion
Data storage	4 sessions, up to 10 hours for each
Mobile App for iOS	iOS 9.0 or above, iPhone 4s/ iPad 3 or above
Mobile App for android	Android 5.0 or above, with *Bluetooth* 4.0 BLE

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Product name: Pulse Oximeter   Model: PO2
Version: B   Date: Nov. 19, 2021   SN: 255-04064-CE