

LOOKEE® BabyO2™ Sleep Monitor

User Manual

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Download App

App name: **ViHealth**

iOS: **App Store**

Android: **Google Play**

If you have installed the App before, please update it to the latest version.

NOTICE

The Monitor is not a medical device. It should not be used to diagnose or treat any medical condition.

1 Tips for Safe Sleep

- Room-share instead of co-sleeping
- Place your baby alone and on their back to sleep.
- Use a firm sleep surface. Keep soft objects out of crib.
- Use a crib that meets safety standards. Do not use cradle for sleep.
- Do not use BabyO2 as an excuse for unsafe sleep.

2 Warnings and Cautions

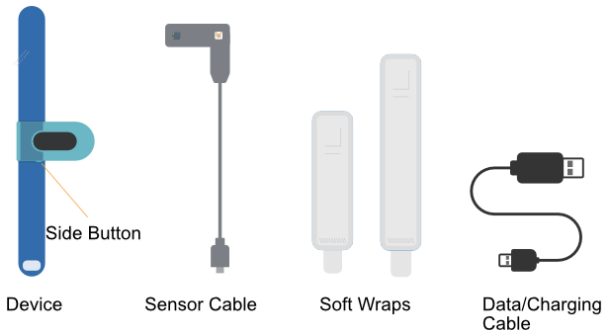
- DO NOT twist the sensor and the wrap or apply excessive force on them.
- Do not use this device during MRI examination.
- Do not store the device in the following locations: locations in

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 based on 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.

3 Unpacking

- Device (main unit)
- Sensor cable
- 2 soft wraps, different size
- User Manual
- Data/Charging Cable



4 Using the device and App

4.1 Download App

App name: **ViHealth**

iOS: **App Store**

Android: **Google Play**

Notice: *if you have installed the App before, please update it to the latest version.*

4.2 Charging

Charge the battery before using.

Connect the device to USB of computer or USB charging adapter with the supplied cable.

After fully charged, the device will power off automatically.

4.3 POWER ON/OFF

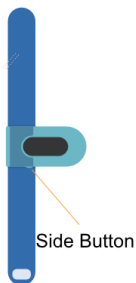
POWER ON:

Press the side button for 2 seconds.

POWER OFF:

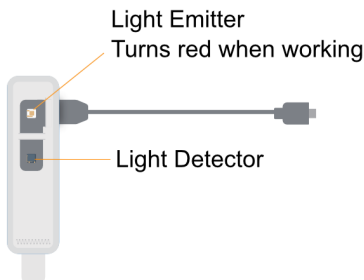
3 ways:

- Press the side button for 2 seconds.
- Unplug the sensor cable, it will power off automatically if not connected to phone for 2 minutes.
- Even with sensor cable connected, it will power off automatically if no working for 10 minutes.



4.4 Placement Guide before working

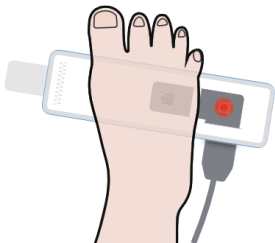
- 1) **Choose the wrap with appropriate size**
0~3 Months, choose the smaller (for reference only)
- 2) **Place the sensor into the wrap as shown**



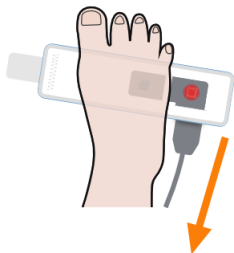
3) Position and secure the sensor

- a. Place the wrap with the sensor on the foot (either

foot works), with the sensor part running on the outside edge of the foot.



- b. The sensor cable should be oriented to the baby's leg.



- c. The light emitter and the light detector should be opposite to each other on the two sides of the foot.

Light Emitter
Turns red when working



Light Detector

For the right foot, the Light Emitter should be on the top; for the left foot, the Light Emitter should be on the bottom.

- d. Attach the wrap velcro securely with no gap between the sensor and the baby's skin



- 4) **Plug the sensor cable into the device**

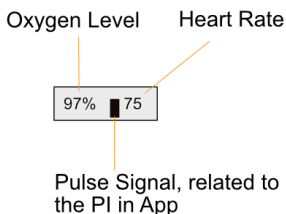


- 5) **Put the device around the leg, attach the velcro to secure the device.**

4.5 Start working

After the placement, press the side button for 2 seconds to power on. There should be red light inside the soft wrap.

After displaying time and battery, you can change the reminder settings with side button (usually you can do nothing). You can also change the settings in App (illustrated later). It is easier to set in App.



After a few seconds, readings will be displayed on the screen.

If the screen display “poor signal”, please check if the sensor has been positioned and secured properly.



When the above symbol displays on device screen, it indicates the readings is unavailable right now.

When at rest, there will be readings in a few seconds. If you cannot get readings for a long time, it may be caused by:

- Improper sensor placement
- Frequent movement
- Foot is too cold

Run App to connect the device, you can check the real-time readings in App Dashboard. (The detail of using App will be illustrated later)

Notice:

- *If the working time is less than 2 minutes, the data will not be saved.*
- *Motion may cause readings unavailable. Readings recover very soon at rest.*
- *Please avoid strong ambient light condition.*

4.6 Stop working & sync data

Unplug the sensor cable, the countdown on the screen will begin.

Stop? 10

During the countdown, if you plug the sensor cable again, the record will be resumed.

After the countdown, the data will be ready for sync.

Notice:

- *If the working time is less than 2 minutes, there will be no data saved*
- *If the device power off during working, the data should have been saved.*

Sync data:

- After the countdown, run App to sync data; If app has already opened, go to History page to sync data.
- **You can also sync data later.** The built-in memory can store 4 sessions. The oldest will be overwritten by the 5th. Please sync data to your phone in time.

Notice: *The built-in memory can store 4 sessions, up to 10 hours for each. It will start the next session automatically after 10 hours monitoring.*

4.7 Screen wake up / change display

During measurement, the screen will go off automatically

for saving power; you can press the side button to wake up the screen or change display.

4.8 Bluetooth Connection

The device Bluetooth will be enabled automatically after it's turned on.

To establish a Bluetooth connection,

- 1) Power on the device.
- 2) Make sure the phone Bluetooth is enabled.
- 3) Run the App.
- 4) Allow the App to use Bluetooth.

Notice:

- ***DO NOT PAIR*** in the settings of your smartphone.

4.9 Add a new device

For the initial use, you need to add a new device.

- 1) Turn on device, run App, select <BabyO2>.
- 2) Follow the App instruction to add the new device.

4.10 App Dashboard

In App Dashboard, you can view:

- Real-time oxygen Level, heart rate.
- Near term trends of oxygen level, heart rate and motion.
- PI (Perfusion Index). If too weak (being red), please check if the sensor has been positioned and secured properly.
- Bluetooth signal. If too weak, place phone closer to the device.
- Device battery level
- Reminder info
- Help info

4.11 Audio reminder in Device

You can configure it in **App-Settings** when your device is connected to App.

- You can **switch on or off** the reminder.
- You can adjust the volume of the reminder.
- You can adjust the **Threshold**.

The reminder will stop when oxygen level recover, or you can press the side button to stop it.

4.12 Audio reminder in App

You can configure it in **App-Settings**.

- You can **switch on or off** the reminder.
- You can adjust the **Threshold**.

The volume is same as your phone's volume.

The Reminder works only when your phone stayed in Dashboard and not locked.

The Reminder in Dashboard will be activated when the oxygen level fall below the pre-set value (Threshold).

The Reminder will stop when the oxygen level recover. You can press the Mute icon on Dashboard to mute.

4.13 View Report

In App->History,

- Tap an item in the list, you can check the detailed report, which includes analysis results and diagrams.
- Slide an item to left, you can delete it.

4.14 App Offline Mode | Multiple Devices

If you enter App Offline Mode, you can view history data, in App Settings->Select Device, you can select device **if you have multiple devices**. In this Mode, device is not connected so you cannot sync data or set device.

5 PC software

PC Software: O2 Insight Pro

Download from:

<https://www.lookeetech.com/pages/downloads>

Install the software on windows PC. If you are using Mac, please go to App store to download “O2 Insight Pro” there.

To use the software,

- 1) Turn on device, connect the device to PC USB port with the supplied Cable. **Do not connect device to App** when you want to connect to PC Software.
- 2) Run the PC software, click the **Download** button to download data from the device

With the PC software, you can view and print report, which can also be exported as PDF or CSV files.

6 Maintenance

6.1 Time & Date

After connection with App, device time will sync from your phone time automatically.

6.2 Cleaning

Clear the wrap with water. Water temperature should be lower than 104°F (40°C)

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

7 Troubleshooting

Problem	Possible Cause	Possible Solution
No readings on screen	the sensor is not positioned and secured properly	check if the sensor has been positioned and secured properly
	Baby is moving frequently	It will recover when at rest
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.
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
	The App is not allowed to use Bluetooth	Allow the App to use Bluetooth
	For Android , Bluetooth cannot work without location permission	Allow location access

8 Specifications

Environmental	Operating	Storage
Temperature	5 to 40°C	-25 to 70°C
Relative humidity (noncondensing)	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 compatibility	Group I, Class B
Degree of dust & water resistance	IP22
Weight	31g (main unit with band and sensor)
Size	49×27×14 mm (main unit)
Battery	3.7Vdc, Rechargeable Lithium-polymer
Charge time	2-3 hours
Battery life	16 hours for typical use
Wireless	Bluetooth 4.0 BLE
Oxygen level range	70% to 99%
Oxygen level Accuracy (Arms)	80-99%: ±2%, 70-79%: ±3%
Heart Rate range	30 to 250 bpm
Heart Rate accuracy	±2 bpm or ±2%, whichever is greater
Reminder	Triggered by low oxygen level
Recorded parameters	Oxygen level, Heart 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 <i>Bluetooth</i> 4.0 BLE

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Road, Block 67 Xin'an Street, Baoan District
Shenzhen 518101 Guangdong China

Model: BabyO2

Version: A