

# Oxi-Go™ QuickCheck Pro

## OPERATOR'S MANUAL

VER1.0C25  
Fingertip Pulse Oximeter



### General Description

Thank you for purchasing the Oxi-Go QuickCheck™ Pro pulse oximeter. This oximeter can be used to measure your Blood Oxygen Saturation (in % SpO<sub>2</sub>) and your pulse rate. It should be used for Spot Monitoring only and not for continuous monitoring.

The Oxi-Go QuickCheck™ Pro Finger-Unit spot check oximeter should only be used by healthy individuals who are performing non-medical activities such as sports and aviation. It is ideal for use during sports activities, mountain climbing and piloting airplanes. It is sold without a prescription only to consumers who do not require a medical prescription. The unit is not intended to diagnose or treat medical condition or disease.

### Package Contents

1. One Oxi-Go™ QuickCheck Pro Oximeter
2. One lanyard
3. Two AAA batteries
4. One user manual

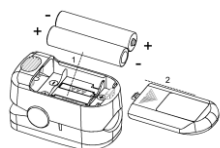
### Product Operation Scope

1. Oximeters are sensitive to motion artifacts. Keep hands still while taking a reading.
2. Oximeters require sufficient blood flow to obtain proper readings. Poor blood circulation can result in inaccurate readings. If your hands are cold or you have poor circulation, Warm your hands by rubbing them together or use another method before attempting to obtain a reading. A tourniquet, blood pressure cuff or other blood flow hindrances may also result in inaccurate readings.
3. Fingernail polish or acrylic nails obstruct the light transmission and may also result in inaccurate readings.
4. Your finger must be clean for proper reading.
5. The Oximeter must be clean for a proper reading.
6. If a reading is difficult to obtain, switch to another finger or to the other hand.
7. There are a number of other conditions which may lead to an inaccurate reading including but not limited to recent medical tests that included an injection of dyes, use of arterial catheters, a weak pulse, low levels of hemoglobin in the blood, low perfusion (the quality of your pulse), elevated levels of dysfunctional hemoglobin, the strength and type of light that you are in while using the Oximeter and the existence of cell phones, radios, and fixed transmitters within certain ranges of the oximeter during use.
8. The Oximeter will not alert you if your readings are out of normal range.

### Operating Instructions

#### Battery Installation

1. Install two AAA batteries into the battery compartment. Match the plus (+) and minus (-) signs in the compartment. If the polarities are not matched, damage may be caused to the oximeter.
2. Slide the battery door cover horizontally along the arrow shown as below. Do not force.



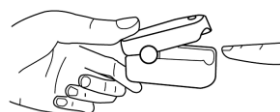
Install batteries in right polarity. Incorrect placement may cause damage to the bracket.

Remove the batteries if the Oximeter will not be used for long periods of time.

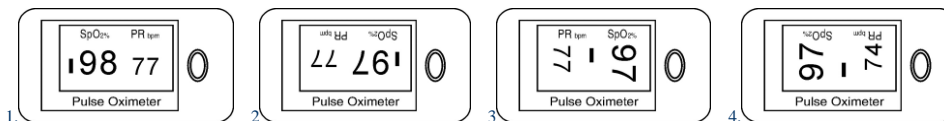
3. Battery indicator symbol on front panel display will light when battery voltage is too low for normal operation of the Oximeter. Replace batteries when indicator symbol lights.
4. Dispose of batteries as per local ordinances.

### Using the Oximeter

1. Open the clamp as shown in the picture:
2. Place one of your fingers into the rubber opening of the Oximeter (your finger should touch the bottom portion) before releasing the clamp. When you put your finger into the Oximeter, your nail must be facing upward towards the display portion of the oximeter.



3. Press the switch button one time on front panel to turn the oximeter on.
4. 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.
5. Read data from display screen.
6. There may be times when the signal strength is too low (see heart rate bar graph indicator below) for a proper reading. Please switch to another finger or hand and follow instructions in this manual for low perfusion blood flow.
7. When no signal or low signal is detected, the oximeter will power off automatically in 8 seconds.
8. There are four display modes. After turning on the oximeter, each time you press the power switch, the oximeter will switch to another display mode, there are 4 display modes shown as follows:

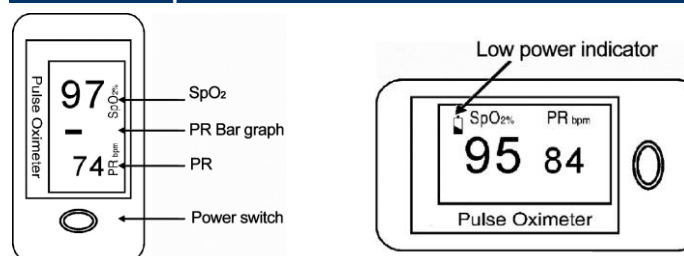


9. When you press the power switch for more than one second, the brightness of the oximeter will be changed by degrees, there are 10 levels on brightness; the default level is level four.

### Maintenance

1. Clean the oximeter and sensor with a soft cloth dampened with isopropyl alcohol. Do not pour or spray any liquids onto the oximeter, and do not allow any liquid to enter any openings in the device. Allow the oximeter to dry thoroughly before reusing. (The rubber inside of the Oximeter is composed of medical grade rubber. It is non toxic and is not harmful to the skin).
2. The pulse oximeter requires no routine calibration or maintenance other than replacement of batteries.

### Brief Description of Front Panel



The height of the bar graph indicates the intensity of the pulse and signal strength. The bar should be greater than 30% for a proper reading.

### Warnings

1. Keep the oximeter away from young children. Small parts such as the battery door, batteries etc. may be hazardous if swallowed.
2. The lanyard may cause strangulation in conditions that may cause it to twist around the neck.


### Precautions for use

1. Do not use the pulse oximeter in situations where alarms are required. The device has no alarms.
2. Explosion hazard: Do not use the pulse oximeter in an explosive atmosphere.
3. The pulse oximeter is intended only as a non medical device.
4. Check the pulse oximeter sensor application site frequently to determine the positioning of the sensor, adequate circulation and skin sensitivity of the user.
5. Do not stretch the rubber while applying the pulse oximeter sensor. This may cause inaccurate readings or skin blisters.
6. Read the manual carefully before use.
7. The pulse oximeter has no SpO<sub>2</sub> alarms; it is not for continuous monitoring, as indicated by the symbol.

In addition to items described in the Product Operation Scope, inaccurate measurements may be caused by FACTORS INCLUDING BUT NOT LIMITED TO:

1. Autoclaving, ethylene oxide sterilizing, or immersing the sensors in liquid.
2. Significant levels of dysfunctional hemoglobin (such as carbonxy-hemoglobin or methemoglobin)
3. Intravascular dyes such as indocyanine green or methylene blue
4. SpO<sub>2</sub> measurements may be adversely affected in the presence of high ambient light such as direct sunlight. In bright light conditions, cover the sensor area if necessary.
5. Excessive user movement.
6. High-Frequency electrosurgical interference and defibrillators
7. Venous pulsations
8. The user has hypotension, severe vasoconstriction, severe anemia, or hypothermia.
9. Fingernail polish or false fingernails may cause inaccurate SpO<sub>2</sub> readings.
10. Follow local ordinances and recycling instructions regarding disposal or recycling of the device and device components, including batteries.

## Technical Specifications

- Display mode: LED.  
Measuring range for SpO<sub>2</sub>: 35-99%  
Measuring range for PR: 30-235 BPM  
PR display mode: bargraph  
Low power indication: 
- Battery standard: Two AAA 1.5V Alkaline Battery
- Power consumption: Less than 40mA
- Resolution: ±1% for SPO<sub>2</sub> and ±1BPM for Pulse Rate
- Measurement accuracy:  
SpO<sub>2</sub>: 80%--99%, ±2%; 70%--80%, ±3%; ≤70%, no definition.  
PR: 30-235 BPM, ±2% or 2 BPM  
Ambient Humidity: 15%-80% in operation  
<93% in storage
- Automatic power off: The oximeter will power off automatically after 8 seconds when the finger is removed.
- It is best to store the product in a place where ambient temperatures range from -10 to 40C (14-104F).
- It is recommended that the product be kept in a dry place. A damp ambient might affect its lifetime and even might damage the product.

## Declaration

EMC of this product comply with IEC60601-1-2 standard

The materials which user can come into contact with are non toxic and comply with ISO10993-1,-5,-10.

## Guidance and manufacture's declaration – electromagnetic emissions- for all EQUIPMENT and SYSTEMS

### Guidance and manufacture's declaration – electromagnetic emission







The *Pulse Oximeter* is intended for use in the electromagnetic environment specified below.

Emission test	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	The Pulse Oximeter uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emission CISPR 11	Class B	The <i>Pulse Oximeter</i> 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.

## Possible Problems and resolutions

Problems	Possible reason	Solution
SpO <sub>2</sub> or PR is not be shown normally	1. Finger is not plugged correctly 2. User's Oxyhemoglobin value is too low to be measured	1. Retry by plugging the finger 2. Possible oximeter failure. 3. Seek medical attention
SpO <sub>2</sub> or PR is shown unstably	1. Finger might not be plugged deep enough 2. Finger is trembling or user's body is in movement status	1. Retry by plugging the finger 2. Try not to move
The Oximeter can not be powered on	1. Power of batteries might be inadequate or not be there at all 2. Batteries might be installed incorrectly 3. The Oximeter might be damaged	1. Please replace batteries 2. Please reinstall the batteries 3. Please contact with local customer service center
Indication lamps are suddenly off	1. The product is automatically powered off when no signal is detected longer than 8 seconds 2. Power quantity of the batteries is started being inadequate	1. Normal 2. Replace the batteries
"Error3" or "Error4" Displayed on screen	1. Low power 2. Receiving tube being shielded or damaged together with broken connector. 3. Mechanical Misplace for receive-emission tube 4. Amp circuit malfunction.	1. Change new battery 2. Please contact with local customer service center 3. Please contact with local customer service center 4. Please contact with local customer service center


## Symbol Definitions

Symbol	Definition
	The equipment type is BF
	Refer to user manual before application
% SpO <sub>2</sub>	Hemoglobin saturation
BPM	Heart rate (BPM)
	Low power indication
	No SpO <sub>2</sub> Alarm. Not for continuous monitoring. Spot measurement only.
	Power switch
SN	Serial No.
	Follow instruction for use

## Warranty

Limited 1 year warranty

Manufactured for:

**Oximeter Plus, Inc.** 

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Roslyn Heights, NY 11577

Phone: 516 626-6226

Made in China