

# Portable Oximeter

Measures Oxygen Level & Pulse Rate



PBO-1  
User Guide



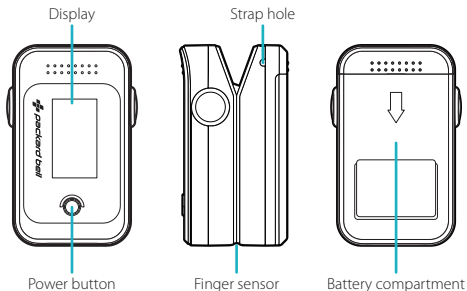
The Packard Bell Portable Oximeter quickly and accurately measures your oxygen (SpO<sub>2</sub>) level and pulse rate. Simply place your finger inside the Oximeter and quickly get an accurate reading.

## **WARNING**

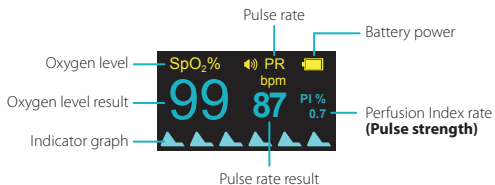
Please read these instructions carefully before using this product and keep the instructions and the oximeter in a safe place.

- For non-medical use.
- This device is only intended for sports and recreational use.
- Keep out of reach of children under 12 years.
- Please follow the general safety precautions when using on children.
- This oximeter is not waterproof. Never immerse into water or other liquids.
- If damaged, do not attempt to repair the product, instead please contact customer support.
- Do not use the Oximeter in a magnetic resonance (MR) environment.
- Do not allow children under 12 years to take their measurements unattended.
- Do not use abrasive cleaning agents (see Care and Cleaning).
- Do not use the oximeter outside the specified operating and storage temperature ranges.
- Remove batteries when storing for long periods.
- Do not use the oximeter for purposes other than its original design.
- Avoid dropping the oximeter and protect it from severe impact and shock.

## BUTTONS AND DETAILS



## DISPLAY DESCRIPTION



### Normal Readings:

Oxygen level ( $SpO_2$ ): 95% - 100%

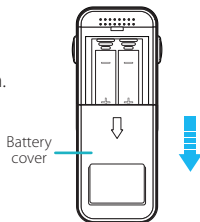
Pulse rate (PR): 60 - 100 bpm

Perfusion Index (PI): 0.02% - 20%

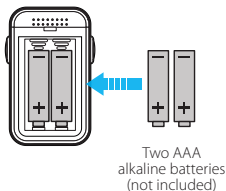
**Note:** The readings might differ based on several factors such as age, sex, location.

## INSTALLING BATTERIES

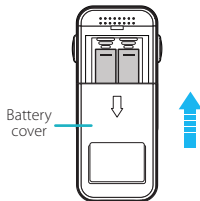
1. Open the battery cover as shown.



2. Insert two new AAA alkaline batteries (not included) following the polarity (+/-) diagram in the compartment. Do not mix old and new batteries, or mix different types or brands of battery.



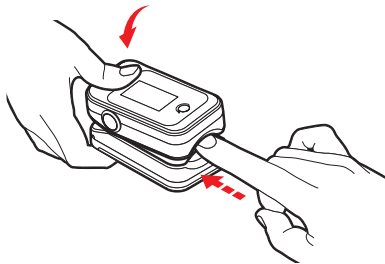
3. Close the battery cover.



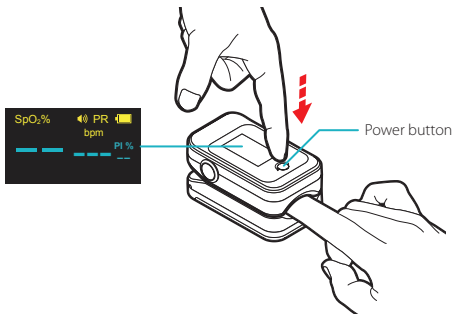
## USING THE OXIMETER

Before using the oximeter, make sure your finger and the oximeter's finger sensor are clean. Please see "Care and Cleaning" (Page 8)

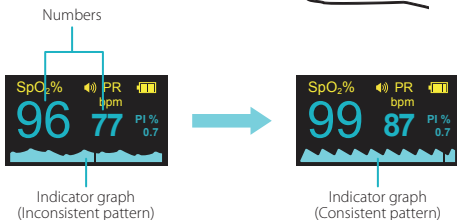
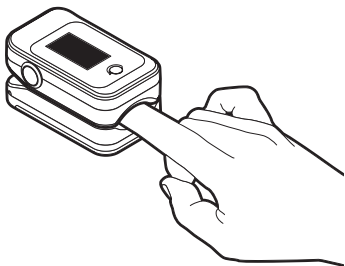
1. Press down on the edge of the oximeter and place your index finger into the oximeter's finger sensor (nail side upward) as shown below.



2. Press the **POWER** button to turn the oximeter ON.



3. While the oximeter is working the numbers will fluctuate and the oximeter will beep. Keep your finger steady and wait until the **Indicator graph** displays a consistent pattern and the numbers stop fluctuating as shown below.

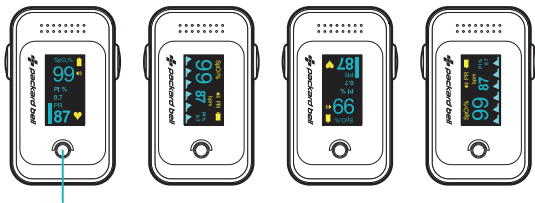


4. Take your finger out of the oximeter. The oximeter will automatically power off after 10 seconds of inactivity.

**Note:** If the signal strength is low, switch to another finger and perform the test again.

## CHANGING THE DISPLAY ORIENTATION

You can change the display's orientation by pressing the **POWER** button once. Press the **POWER** button again to scroll through the four orientation options below.



Power button

**Note:** While changing the orientation of the display, if you press the power button 4 times, it will also turn off the oximeter's beeping sound. To turn it back on, simply press the POWER button again 4 times.

## ATTACHING THE STRAP

The strap can be attached to the oximeter by following the instructions below:

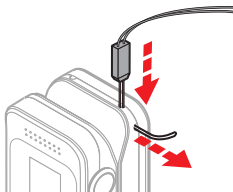
Strap



1



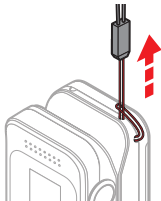
2



3



4





## **SPECIFICATIONS**

Model: PBO1

Type: Pulse Oximeter

Display: OLED

SpO2 Measuring Range: 0% - 100%

SpO2 Accuracy:  $\pm 3\%$  in the range of 70% - 100%

Not defined < 70%

Pulse Rate Measuring Range: 25-250 bpm

Pulse Rate Accuracy:  $\pm 2$  bpm

Peak wavelength: 666nm - 905nm

Automatic Shut-off: After 10 seconds of inactivity

Operation Environment: 5°C - 40°C; Humidity <80%

Storage Environment: -10°C - 50°C; Humidity <90%

Power Source: Two 1.5V AAA alkaline batteries

## **CARE AND CLEANING**

Use a cotton swab moistened with alcohol (70% Isopropyl) to clean the oximeter casing and rubber. Do not use abrasive cleaning agents. Never soak the device in water or other cleaning liquids. Wait 10 minutes after cleaning before taking a measurement.

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