

# PC-60B1

## Fingertip Pulse Oximeter



- Artifact removal and anti-motion
- Splash proof
- Drop resistant



## Features

- OLED displays SpO2, PR, PI, Pulse bar and waveform
- Special design with splash-proof and drop-resistant
- 4 direction display with big numbers
- Audible and visual alarm
- Automatically power on/off
- Low power consumption with 2 AAA alkaline batteries
- Different case color available for bulk order
- Optional silicon rubber cover, carrying case
- Setting menu is available if required



## Scope of Application

The fingertip pulse oximeter is intended for measuring the Pulse Oxygen Saturation, Pulse Rate, and Perfusion Index through patient's finger. It's applicable for spot-checking SpO2 and pulse rate of adult and pediatric at home and medical clinics.

## Specifications

### SpO2

Transducer	Dual-wavelength LED sensor
Measuring range	35%~100%
Measuring accuracy	≤ 2% range from 70% to 100%

### Power supply

2 x AAA alkaline battery
Supply voltage: 3.0V DC
Operating current: ≤40mA

### Pulse Rate

Measuring range	30bpm~240bpm
Measuring accuracy	±2bpm or ±2% whichever is greater

### Operating Environment

Operating Temperature	5°C ~40°C
Operating Humidity	30%~80%
Atmospheric pressure	70kPa~106kPa

### Perfusion Index (PI)

Display range	0%~20%
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### Dimension

58.5 mm (L) × 33.5 mm (W) × 30 mm (H)

### Default Alarm Limit

SpO2 low limit	90%
Pulse Rate	High limit: 120bpm Low limit: 50bpm

### Net Weight

47g

### Available case colors



FDA 510(k)

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# Fingertip Pulse Oximeter



## PC-60B1

### The Scope of Application:

PC-60B1 Fingertip Pulse Oximeter can monitor Pulse Oxygen Saturation, Pulse Rate, and Perfusion Index through patient's finger. This device is applicable to hospital, home, community medical centre, alpine area and it also can be used before and after sports, and so on.

### Features:

- It is lightweight, small in size and easy to take;
- Accurately measures SpO<sub>2</sub> value and Pulse Rate value;
- Dual-color display of SpO<sub>2</sub>, PR, PI, Plethysmogram and Pulse Bar;
- Innovative 4 directions display;
- New mold design, which is prevention against water ingress and drop resistant
- Automatic Power On/Off;
- More than 30 hours continuous working time with 2 AAA alkaline batteries;
- Audible & visible alarm function;
- battery voltage indication, low battery voltage alarm
- Prevention against water ingress, drop resistant



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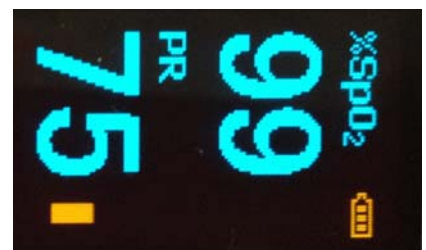


*Your health, our concern!*

## Technical Specifications

- A. Display mode:** OLED Display
- B. Power supply requirement:**  
LR03 (AAA) alkaline battery × 2  
Supply voltage: 3.0VDC  
Operating current: ≤40mA
- C. Environment requirement**  
Operating Temperature: 5°C ~40°C  
Operating Humidity: 30%~80%  
Atmospheric pressure: 70kPa~106kPa
- D. SpO<sub>2</sub> Parameter Specifications**  
Transducer: Dual-wavelength LED sensor  
Measuring range: 35%~99%  
Accuracy: Not greater than 3% for SpO<sub>2</sub> range from 70%-100%  
NOTE: Accuracy defined as root-mean-square value of deviation according to ISO 9919  
SpO<sub>2</sub> alarm: Lower limit: 90%
- E. Pulse Rate Parameter Specifications**  
Measuring range: 30bpm~240bpm  
Accuracy: ±2bpm or ±2% (which ever is greater)  
Pulse Rate alarm: High limit: 120bpm  
Low limit: 50bpm
- F. Perfusion Index Display**  
Range: 0%~20%
- G. The performance under low perfusion condition**  
The accuracy of SpO<sub>2</sub> and PR measurement still meet the precision described above when the modulation amplitude is as low as 0.6%
- G. Resistance to interference of surrounding light:**  
The difference between the SpO<sub>2</sub> value measured in the condition of indoor natural light and that of darkroom is less than ±1%.
- H. Resistance to 50Hz / 60Hz interference:**  
SpO<sub>2</sub> and Pulse Rate are precise which are tested by BIO-TEK pulse oximeter simulator.
- I. Dimensions:** 66 mm (L) × 36 mm (W) × 33 mm (H)  
Net Weight: 60g (including batteries)
- J. Classification**  
**The type of protection against electric shock:**  
Internally powered equipment  
**The degree of protection against electric shock:**  
Type BF applied part.  
**The degree of protection against harmful ingress of liquids:**  
Ordinary equipment without protection against ingress of water.  
**Electro-Magnetic Compatibility:**  
Group I, Class B

Innovative 4 displays



Note: Specifications subject to change without prior notice.