

# 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:

- Prevention against water ingress, drop resistant
- 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 Pluse Bar;
- Innovative 4 directions display;
- 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

## 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.

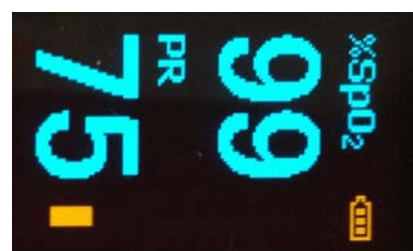
**The degree of protection against harmful ingress of liquids:**

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.



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