



## OxyCheck | PULSEOXIMETER

OxyCheck Pulse Oximeter is a non-invasive device intended for the spot-check of oxygen saturation of arterial hemoglobin (SpO<sub>2</sub>) and the pulse rate of adult and pediatric patients in home and hospital environments (including clinical use in internist/surgery, anesthesia, intensive care etc.).

- 1 Big display
- 2 Measures blood oxygen saturation level and pulse rate
- 3 SpO<sub>2</sub> & PR waveforms
- 4 Perfusion Index (PI)
- 5 Easy to Operate
- 6 High Accuracy
- 7 Low battery indicator
- 8 Automatic power off within 5 seconds
- 9 Screen displayed in 4 directions



### Technical Specifications

- 1) **Display Format:** LCD Display;  
**SpO<sub>2</sub> Measuring Range:** 0% ~ 100%;  
**Pulse Rate Measuring Range:** 30 bpm ~ 250 bpm;  
**Pulse Wave Display:** columniation display and the waveform display.  
**PI Measuring Range:** 0 ~ 20%
- 2) **Power Requirements:** 2×1.5 V AAA alkaline battery (or using the rechargeable battery instead), adaptable range: 2.6 V - 3.6 V.
- 3) **Power Consumption:** Smaller than 80 mA.
- 4) **Resolution:** 1% for SpO<sub>2</sub>, 1 bpm for Pulse Rate and 0.1% for PI.
- 5) **Measurement Accuracy:** ±2% in stage of 70% ~ 100% SpO<sub>2</sub>, and meaningless when stage being smaller than 70%. ±2 bpm during the pulse rate range of 30 bpm ~ 99 bpm and ±2% during the pulse rate range of 100 bpm ~ 250 bpm .
- 6) **Measurement Performance in Weak Filling Condition:** SpO<sub>2</sub> and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO<sub>2</sub> error is ±4%, pulse rate error is ± 2 bpm during the pulse rate range of 30 bpm ~ 99 bpm and ±2% during the pulse rate range of 100 bpm ~ 250 bpm .
- 7) **Resistance to surrounding light:** The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than ±1%.
- 8) **It is equipped with a function switch:** The product will enter standby mode when no signal is in the product within 5 seconds.
- 9) **Optical Sensor**  
Red light (wavelength is 660 nm, 6.65 mW)  
Infrared (wavelength is 880 nm, 6.75 mW)

### Accessories

- Pulse oximeter
- Lanyard
- Batteries
- User Manual

### Function Specification

Display Information	Display Mode
The Pulse Oxygen Saturation (SpO <sub>2</sub> )	LCD
Pulse Rate (PR)	LCD
Perfusion Index (PI)	LCD display
Pulse Intensity (bar-graph)	LCD bar-graph display
Pulse wave	LCD
SpO <sub>2</sub> Parameter Specification	
Measuring range	0% ~ 100%, (the resolution is 1%).
Accuracy	70% ~ 100%; ±2%, Below 70% unspecified.
Optical Sensor	Red light (wavelength is 660 nm) Infrared (wavelength is 880 nm)
Pulse Parameter Specification	
Measuring range	30 bpm ~ 250 bpm (the resolution is 1 bpm)
Accuracy	±2 bpm or ±2% select larger
Pulse Intensity	
Range	Continuous bar-graph display, the higher display indicate the stronger pulse.
Battery Requirement	
1.5 V (AAA size) alkaline batteries × 2 or rechargeable battery	
Battery Useful Life	
Two batteries can work continually for 20 hours	
Dimensions and Weight	
Dimensions	60(L) × 30.5(W) × 32.5(H) mm
Weight	About 50 g (with the batteries)