

# Fingertip Pulse Oximeter



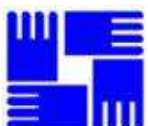
## PC-60NW-1

### The Scope of Application:

PC-60NW-1 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:

- Wireless data transmission can communicate with PC/mobile phone/PDA;
- Dual color OLED display of SpO<sub>2</sub>, PR, Pulse Bar, PI & Plethysmogram
- Innovative 4 directions display
- Automatic power on/off
- Audible & visible alarm function
- Alarm limits of SpO<sub>2</sub> & PR can be set via setup menu.
- Shift parameter display between PR and PI
- 2AAA alkaline batteries with low power consumption
- Low battery voltage indication



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FDA 510(K) FCC



Your health, our

## Technical Specifications

**A. Technique:** Dual-wavelength LED sensor

**B. SpO<sub>2</sub> measurement:**

Measuring range: 70%~100%

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

**C. Pulse Rate measurement**

Measuring range: 30bpm~240bpm

Accuracy:  $\pm 2$ bpm or  $\pm 2\%$  (whichever is greater)

Pulse Rate limit setting range:

High limit: 100~240bpm(default 120bpm)

Low limit: 30~60bpm(default 50bpm)

**D. Perfusion Index(PI)display:**

Range: 0.2%~20%

**E. Audible & visual over-limit indication**

**F. Display mode: OLED display**

**G. Power supply requirement:**

LR03 (AAA) alkaline battery  $\times 2$

Supply voltage: 3.0VDC

Operating current:  $\leq 40$ mA

**H. Environment requirement measurement**

Operating Temperature: 5°C ~40°C

Operating Humidity: 30%~80%

Atmospheric pressure: 70kPa~106kPa

**I. The performance under low perfusion condition**

The accuracy of SpO<sub>2</sub>&PR measurement still meet the precision when the modulation amplitude is as low as 0.6%

**J. 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  $\pm 1\%$ .

**K. Dimensions:** 60 mm (L)  $\times$  33 mm (W)  $\times$  30 mm (H)

Net Weight: 35g (including batteries)

**L. 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

### Menu screen

```
Wireless      on
SpO2 alm Lo  85
PR   alm Hi  120
PR   alm Lo  50
Save, exit menu
Restore default
```

### Accessories

```
A lanyard
Two batteries
A pouch
A User Manual
Quality Certificate
Installation CD
```

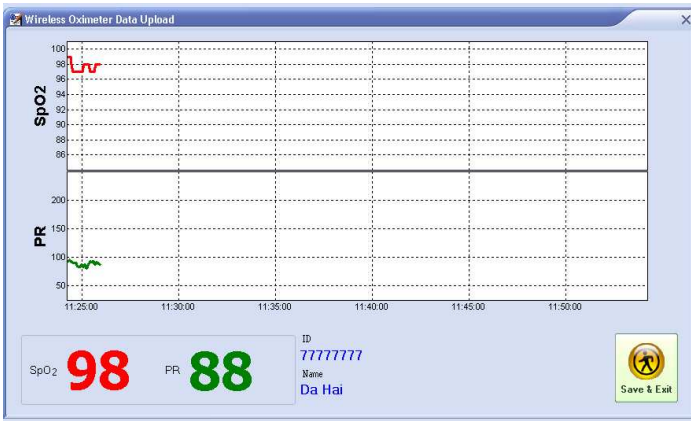


Figure 1 Real-time data transmission screen

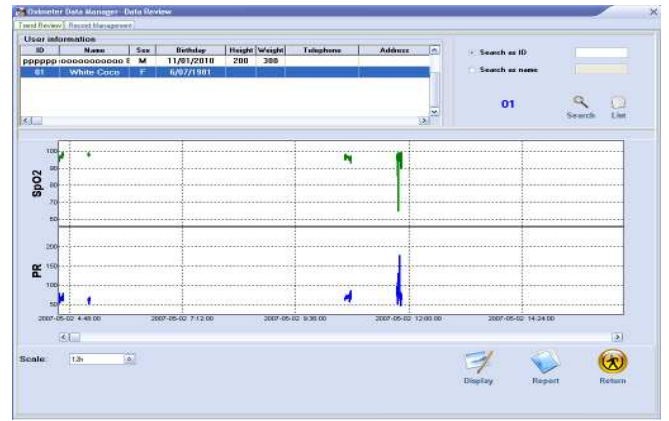


Figure 2 Trend review

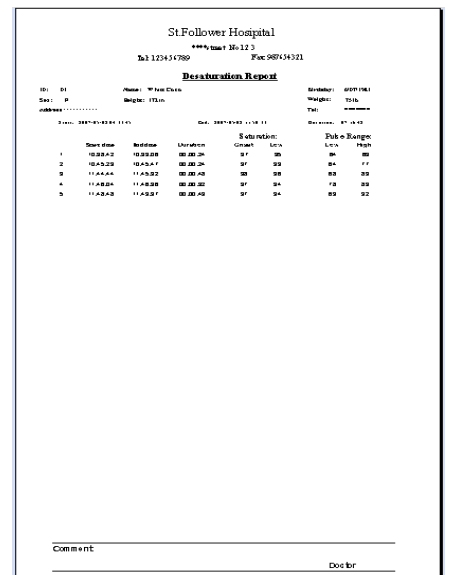
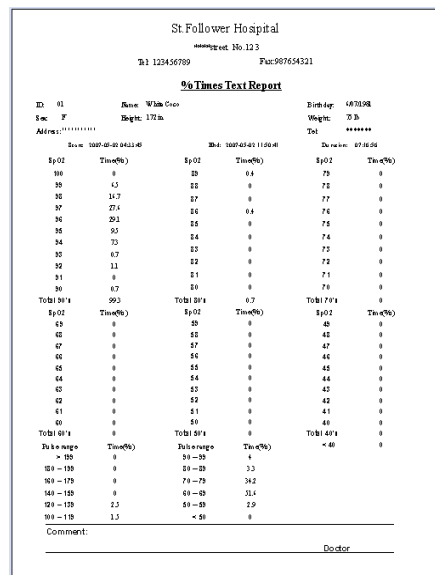
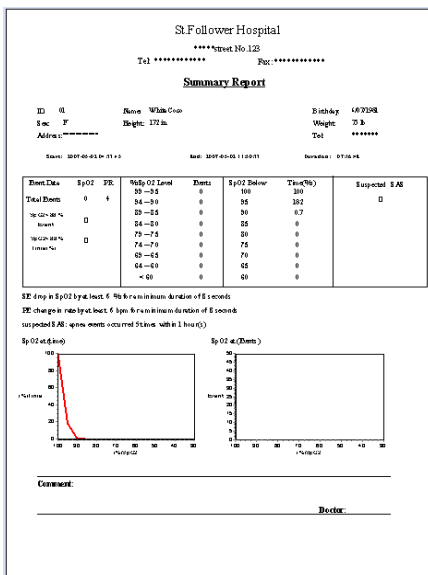
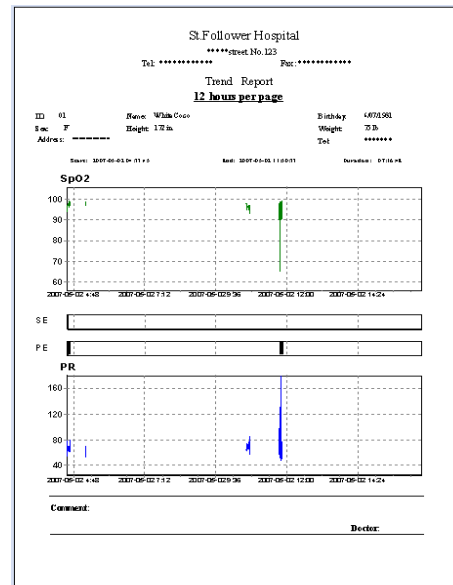
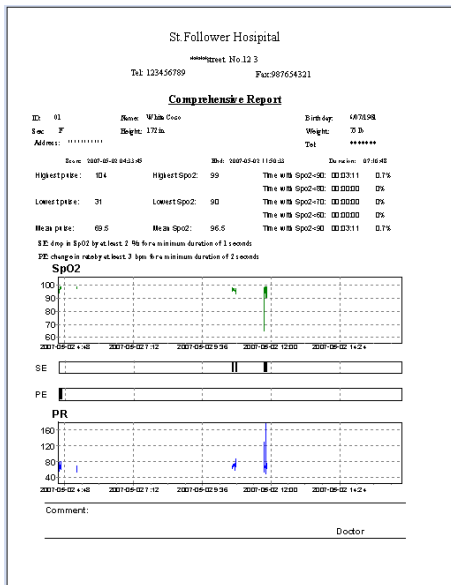
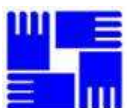


Figure 3 Reports

Note: Specifications subject to change without prior notice.



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