

# Pulse Oximeter

## CMS50-Pro



Pulse rate



SpO<sub>2</sub>



Easy to operate



Portable design



Accurate and efficient



Low power consumption



CMS50-Pro Pulse Oximeter adopts Photoelectric Oxyhemoglobin Inspection Technology integrated with Capacity Pulse Scanning & Recording Technology, which can be used to measure human oxygen saturation and pulse rate through finger. The device is suitable for use in family, hospital, oxygen bar, community healthcare and physical care in sports, etc. (It can be used before or after exercise, but not recommended to use during exercising).

## Function

- Display of SpO<sub>2</sub> value.
- Display of pulse rate value and bar graph.
- Display of PI value (optional).
- Display of pulse waveform.
- Battery power indication (optional).
- Low-voltage indication: the low power indication symbol appears when the voltage is too low to work.
- Auto Power On.
- Auto standby.
- The display mode can be changed (optional).
- Adjustable screen brightness (optional).
- PR sound prompt (optional).
- Sound prompt (optional).
- Automatic direction-changing function (optional).

## Performance

- Display: 0.96" color screen
- Screen resolution: 160 \* 80
- SpO<sub>2</sub> measurement range: 0 % ~ 100 %  
Accuracy: 70 % ~ 100 %, ± 2 %;  
0 % ~ 69 %, unspecified
- PR measurement range: 30 bpm ~ 250 bpm (resolution: 1 bpm)  
Accuracy: ± 2 bpm or ± 2 %, whichever is greater
- PI measurement range: 0 % ~ 20 %  
Accuracy: 1% ~ 20 %, allowable absolute error: ± 1 %;  
0 % ~ 0.9 %, allowable absolute error: ± 0.2 %
- Accuracy under low perfusion: low perfusion 0.4 %, SpO<sub>2</sub> accuracy: ± 4 %; PR accuracy: ± 2 bpm or ± 2 %, whichever is greater.
- Light interference: compared to the values measured in normal condition and ambient light condition, the deviation: ≤ ± 1 %.
- Power consumption: ≤ 30mA (without prompt sound); ≤ 80 mA (with prompt sound)
- Working voltage: DC 3.0 V
- Battery: two AAA alkaline batteries
- Working time for battery: continuously work for 20 hours at least
- Safety class: type BF applied part

## Accessories

- One User Manual
- One lanyard (optional)

