

CONTEC™



CMS50D+ **Pulse Oximeter**

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CMS50D+

CMS50D+ Pulse Oximeter is a portable equipment adopting advanced technology, it mainly checks SpO₂ and PR value through the finger, which provides advanced, non-invasive and scientific means for quantitative measurement of oxygen saturation.

CMS50D+ Pulse Oximeter is applicable for use in plateau area, community healthcare, oxygen bar, Fitness clubs, physical training room, family and medical institution, etc.

Features

- ◆ Integrated with SpO₂ probe and processing display module.
- ◆ Small in volume, light in weight and convenient in carrying.
- ◆ Operation of the product is simple, low power consumption.
- ◆ Operation menu for the function setting.
- ◆ SpO₂ value display.
- ◆ Pulse rate value display, bar graph display.
- ◆ Pulse waveform display.
- ◆ The display mode can be changed.
- ◆ A pulse rate sound indication.
- ◆ With measured data overruns limits and low-voltage alarm function, the upper/down alarm range can be adjustable.
- ◆ Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function.
- ◆ With SpO₂ value and pulse rate value of storage, the storage data can be uploaded to computers.
- ◆ Real-time data can be transmitted to computers.
- ◆ Automatically power off function: when the device is under the state of measuring interface, it will automatically power off within 5 seconds if the finger falls out of probe.

Performance

- ◆ SpO₂ measurement range: 0%~100%
Accuracy: 70%~100%: $\pm 2\%$
0%~69%: unspecified
- ◆ PR measurement range: 30bpm~250bpm
Accuracy: ± 2 bpm or $\pm 2\%$, whichever is greater.
- ◆ Resolution: SpO₂: 1%
PR: 1bpm
- ◆ **Measurement Performance in Weak Filling Condition:** SpO₂ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO₂ error is $\pm 4\%$, pulse rate error is ± 2 bpm or $\pm 2\%$, whichever is greater.
- ◆ **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 $\pm 1\%$.
- ◆ Working current: ≤ 80 mA
- ◆ Power supply: two "AAA" batteries
- ◆ Safety classification: type BF applied part

Physical characteristic

- ◆ Dimension: 58.5(L) × 31(W) × 32 (H) mm

