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CMS50F

PULSE OXIMETER

Contec Medical Systems Co.,Ltd.

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CMS50F

Pulse Oximeter

Introduction

CMS50F 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).

Features

- ◆ Display of SpO₂ value.
- ◆ Display of pulse rate and bar graph.
- ◆ Display of pulse waveform.
- ◆ Low-voltage indication: the low power indication symbol appears when the voltage is too low to work.
- ◆ Adjustable screen brightness.
- ◆ PR sound indication.
- ◆ Sound prompt function: over-limit prompt of measured value, probe-off or finger-out prompt, low power prompt.
- ◆ Data memory function.
- ◆ The data can be uploaded to the terminal equipment by wired mode.
- ◆ The data can be uploaded to the terminal equipment (Bluetooth wired equipment) by wireless mode.
- ◆ Clock function.
- ◆ Charging function.

Accessories

- ◆ One SpO₂ probe
- ◆ One USB data line
- ◆ One User Manual
- ◆ One Bluetooth adapter (optional)
- ◆ One power adapter (optional)

Performance

- ◆ SpO₂ measurement range: 0 % ~ 100 % (resolution: 1 %)
- ◆ 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
- ◆ Accuracy under low perfusion: low perfusion 0.4%, SpO₂ 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 is less than ± 1 %.
- ◆ Power consumption: ≤ 100 mA
- ◆ Working voltage: DC 3.6 V ~ 4.2 V
- ◆ Battery: one 3.7 V rechargeable lithium battery.
- ◆ Battery lifetime: ≥ 500 times (charge and discharge times)
- ◆ Safety class: internally powered equipment, type BF applied part.

Physical characteristic

Dimension: 61 mm (L) × 56 mm (W) × 24 mm (H)

Weight: about 60 g (including one lithium battery)