

Pulse Oximeter

MODEL: CMS50I



CMS50H

Instructions

Principle of the CMS50I Pulse Oximeter is as follows: Photoelectric Oxyhemoglobin Inspection Technology is adopted in accordance with Capacity Pulse Scanning & Recording Technology, the Pulse Oximeter can be used in measuring the pulse oxygen saturation and pulse rate through finger. The product is suitable for being used in family, hospital, oxygen bar, community healthcare, physical care in sports (It can be used before or after doing sports, and it is not recommended to use the device during the process of having sport) and etc.

Major Features

- ◆ 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
- ◆ With P_I display
- ◆ The display mode can be changed
- ◆ Screen brightness can be changed
- ◆ A pulse rate sound indication
- ◆ Multi-time segment storage
- ◆ With measured data overruns limits and low-voltage alarm function, the upper/down alarm range is adjustable
- ◆ Battery capacity indication
- ◆ 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 (CMS50IW)
- ◆ Connected with an external oximeter probe
- ◆ Power-off: long press power button to turn off the device

◆Wireless communication function (CMS50IW)

Main performance

Display Mode: 1.5" Color OLED display

Screen Resolution: 128*128

SpO2 Measuring Range: 0%~100%, (the resolution is 1%).

Accuracy: 70%~100%: $\pm 2\%$,Below 70% unspecified.

PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)

Accuracy: ± 2 bpm or $\pm 2\%$ (select larger)

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 $\pm 2\%$ (select larger).

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 $\pm 1\%$.

Power Consumption: less than 100mA

Voltage: DC 3.6V~4.2V

Power Supply: Voltage 3.7 rechargeable lithium battery $\times 1$

Battery working hour: 10 hours

Battery working life: Charge and discharge no less than 500 times.

Safety Type: Interior Battery, BF Type

Accessories

Sell in standard:

◆A user manual

◆A data line

◆A disk (PC software)

◆An adult-oximeter probe(0.35m)

◆Two One-off adhesive SpO2 probe

◆A power adapter (GTM41076-0605;CMS0105)

Sell in addition:

◆Other oximeter probe(Refer to probe application instruction for details and notice renewal)

Physical Identity

Dimension: 63(L) × 55(W) ×15(H) mm

Weight: About 45g (with the lithium battery*1)