

Finger Tip Pulse Oximeter

CMS-50

Economical, easy to use, and compact finger-tip pulse oximeter. Simply attach the lightweight unit to the finger to obtain instant SPO₂, pulse and Pleth Wave readings with the high visibility four-way OLED double colour display.

The CMS50 Finger Tip Pulse Oximeter is equipped with a function switch, through which the oximeter can be automatically powered off when not in use for more than 5 seconds.

Fully self contained and compact, the finger tip pulse oximeter is the perfect choice for any health care practitioner.

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
- SpO₂ value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- The display mode can be changed
- Screen brightness can be changed
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
- 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
- Display format can be saved after power off



Code	Description
POFCMS50	CMS50 FINGER TIP PULSE OXIMETER
POFCMS50CASE	SPARE CASE FOR POFCMS50 PULSE OXIMETERS

Prepared by: Paragon Medical Pty Ltd trading as LR Instruments ABN 76 133 072 107
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File Name: POFCMS50_Pulse-Oximeter_v2-0



First Prepared: 4/12/14 Eevien Tan
Release Approval: 4/12/14 Lee Carter
Version Control: V2.0 Page 1 | 2

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Technical Details

- Dimension: 57(L) × 31(W) × 32(H) mm
- Weight: About 50g (with the batteries)

Visual Display and Indicators

- Display Mode: 0.96" Dual-color OLED display (blue and yellow)
- Screen Resolution: 128*64

Measurement

- SpO2 Measuring Range: 0%~100%, (the resolution is 1%)
- Accuracy: 70%~100%: ±2% ,Below 70% unspecified
- PR Measuring Range: 30bpm~250bpm, (the resolution is 1bpm)
- Accuracy: ±2bpm or ±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 ±4%, pulse rate error is ±2 bpm or ±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 ±1%

Power and Battery

- Power Consumption: less than 30mA
- Voltage: DC 3.0V
- Power Supply: 1.5V (AAA size) alkaline batteries × 2
- Battery Working Hour: The minimum continually work time is 20 hours, theoretical number is 36 hours
- Safety Type: Interior Battery, BF Type



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Page 2 | 2

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