

# Finger Tip Pulse Oximeter

## Rechargeable

Economical, easy to use, compact pulse oximeter. Simply attach the lightweight unit to the finger to obtain instant SPO<sub>2</sub>, pulse and Pleth Wave readings with the high visibility four-way OLED double colour display.

The CMS50E 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 SpO<sub>2</sub> 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
- SpO<sub>2</sub> value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- The display mode can be changed
- Screen brightness can be changed
- A pulse rate sound indication
- 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 SpO<sub>2</sub> value and pulse rate value of storage, the storage data can be uploaded to computers
- Real-time data can be transmitted to computers
- Automatic 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



Code	Description
POFCMS50E	CMS50E FINGER TIP PULSE OXIMETER
POFCMS50CASE	SPARE CASE FOR POFCMS50 PULSE OXIMETERS

Prepared by: Paragon Medical Pty Ltd trading as Richards Medical ABN 76 133 072 107  
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File Name: POFCMS50E\_Pulse-Oximeter-Rechargeable\_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) × 32(W) × 30 (H) mm
- Weight: About 50g (with the lithium battery\*1)

### Visual Display and Indicators

- Display Mode: 1.3" 65K Color OLED display
- Screen Resolution: 128\*96

### 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 100mA
- Voltage: DC 3.6V~4.2V
- Power Supply: Voltage 3.7 rechargeable lithium battery × 1
- Battery Working Hour: 20 hours
- Battery Working Life: Charge and discharge no less than 500 times.
- Safety Type: Interior Battery, BF Type

### Complete With

- 1 x Finger Tip Pulse Ox Unit
- 1 x Power Adapter/Charger
- 1 x USB Cable
- 1 x Lanyard
- 1 x User Manual



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