# Oximeter - CMS50EL Pulse Oximeter

## Instructions

Principle of the CMS50EL 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

◆Integrated with $SpO_2$ probe and processing display module
◆Small in volume, light in weight and convenient in carrying
◆Operation of the product is simple, low power consumption
◆$SpO_2$ value display
◆Pulse rate value display, bar graph display
◆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.

## Main performance

◆**Display Mode:** LED display
◆**$SpO_2$ 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:** $SpO_2$ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. $SpO_2$ 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 Consumption:** less than 30mA
◆**Voltage:** DC 3.6V~ 4.2V
◆**Power Supply:** Voltage 3.7 rechargeable lithium battery × 1
◆**Battery working hour:** Theoretical number is 20hours.
◆**Battery working life:** Charge and discharge no less than 300 times.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**
◆A hanging rope
◆A user manual
◆A data line
◆A power adapter （GTM41076-0605; CMS0105）

## Physical Identity

**Dimension:**57 (L) × 32（W) × 30(H) mm
**Weight:**About 50g (with a lithium battery)

# Oximeter - CMS50ED Pulse Oximeter


## Instructions

Principle of the CMS50ED 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

◆Integrated with $SpO_2$ probe and processing display module
◆Small in volume, light in weight and convenient in carrying
◆Operation of the product is simple, low power consumption
◆$SpO_2$ 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

## Main performance

◆**Display Mode** : 0.96" Dual-color OLED display (blue and yellow)
◆**Screen Resolution** : 128*64
◆**$SpO_2$ 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:** $SpO_2$ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. $SpO_2$ 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 Consumption:** less than 30mA
◆**Voltage:** DC 3.6V~4.2V
◆**Power Supply:** Voltage 3.7 rechargeable lithium battery × 1
◆**Battery working hour:** Theoretical number is 20 hours.
◆**Battery working life:** Charge and discharge no less than 300 times.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**

◆A hanging rope
◆A user manual
◆A data line
◆a power adapter（GTM41076-0605; CMS0105）

## Physical Identity

**Dimension:**57 (L) × 32(W × 30(H) mm
**Weight:**About 50g (with a lithium battery)

# Oximeter - CMS60F/CMS60FW Pulse Oximeter


## Instructions

Principle of the CMS60F 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
◆ PI Display
◆ 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 can be 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 clock function
◆ Review function
◆ With data record function of multiuser, continuous record about 24 hours data for each user, and the record data can be uploaded to computer
◆ Touch key operation and locking touch key function
◆ It can be connected with adult, child or infant oximeter probe
◆ Wireless communication function（CMS60FW）

## Main performance

◆ Display Mode：2.8" TFT Color display
◆ Screen Resolution：320*240
◆ 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%.

◆Voltage: DC 3.6V~4.2V
◆ Power Supply: Voltage 3.7 rechargeable lithium battery × 1
◆ Battery working hour: 8 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 power adapter（GTM41076-0605;CMS0105）
◆ a data line
◆ a disk (PC software)
◆ An oximeter probe

**Sell in addition**

Other Oximeter Probe (Refer to probe application instruction for details and notice renewal）

## Physical Identity

Dimension:94.25(L) × 55.32(W) × 9.6(H) mm
Weight:About 80g (with a lithium battery)

## Oximeter - CMS50G1/CMS50G2 Pulse Oximeter

## Instructions

Principle of the CMS50G1/G2 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

◆Integrated with $SpO_2$ probe and processing display module
◆Small in volume, light in weight and convenient in carrying
◆Operation of the product is simple, low power consumption
◆$SpO_2$ value display
◆Pulse rate value display, bar graph display
◆Pulse waveform display
◆PI 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
◆Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, with alarm function
◆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

## Main performance

◆**Display Mode** : 0.96"Dual-color OLED display
◆**Screen Resolution** : 128*64
◆**$SpO_2$ 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)
◆**PI Measuring Range** : **0%～20%**
◆**Resolution: 0.1%**
◆**Measurement Performance in Weak Filling Condition:**$SpO_2$ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. $SpO_2$ 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 Consumption:** less than 80mA
◆**Voltage:** DC 2.6V~3.6V
◆**Power Supply:** 1.5V (AAA size) alkaline batteries × 2

◆**Battery working hour:** Theoretical number is 24 hours.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**
◆a hanging rope
◆a user manual

## Physical Identity

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

# Oximeter - CMS50DL1 Pulse Oximeter


## Instructions

Principle of the CMS50DL1 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

◆ 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
◆ 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.

## Main performance

◆**Display Mode:** LED display
◆**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 Consumption:** less than 25mA
◆**Voltage:** DC 2.6V～3.6V
◆**Power Supply:** 1.5V (AAA size) alkaline batteries × 2
◆**Battery working hour:** Theoretical number is 20hours.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**
◆ a hanging rope
◆ a user manual

## Physical Identity

◆**Dimension:**61(L)× 36(W)× 32(H) mm
◆**Weight:**About 50g (with the batteries)

# Oximeter - CMS50D1 Pulse Oximeter

## Instructions

Principle of the CMS50D1 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

◆ 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

## Main performance

◆**Display Mode** : 0.96" Dual-color OLED display (blue and yellow)
◆**Screen Resolution** : 128*64
◆**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 Consumption:** less than 30mA
◆**Voltage:** DC 2.6V~3.6V
◆**Power Supply:**1.5V (AAA size) alkaline batteries × 2
◆**Battery working hour:** Theoretical number is 32 hours.
◆**Safety Type:** Interior Battery: BF Type

## Accessories

**Sell in standard**

◆ a hanging rope
◆ a user manual

## Physical Identity

◆**Dimension:**61(L) × 36(W) × 32(H) mm
◆**Weight:**About 60g (with the batteries)



# Oximeter - PM60E Pulse Oximeter CO2 Apparatus

## Feature

PM60E base on the intellectualized operating system flat, provide the analyze function of $CO_2$ after the patient breath out, and provide accurate data and analyze report for you performance.

## Specifications

■ Display: 3.5" TFT
■ Display mode: Parameter mode & Waveform face
■ Battery: Built-in Li-Polymer, 6 hours for charging , 3.7v,1900mah
9 hours for continuous working in the mode 1 or 2
3 hours for continuous working in the mode 3 or 4
4 hours for continuous working in the mode 5
■ Trend Graph/Table:
Resolution from 1s, 5s, 10s,30s,1min,and so on.
Storage of latest 96 hours trend data.
■ $SpO_2$ drop analysis
■ History: Storage of latest 10000 case histories in SD card.
■ Wave: Storage of 24 hours waveform and only the real time stored patients have waveform
■ Alarm: Adjustable High and Low limits. Three level audible and visual alarm, latest 50 alarm information and waveform displays 8 seconds which 4 seconds are before a certain time when the alarm is turned on and 4 seconds are after appointed time when the alarm is turned on.

## $SPO_2$

■ Measurement Range: 0 ~ 100%
■ Resolution: 1%
■ Accuracy: ± 2 % (70% ~ 100% )
0% ~ 69% unspecified
■ Alarm Range: 0% ~ 100%
■ Refreshing Rate: 1s

## Pulse Rate:

■ Measurement Range: 25 ~ 250 bpm
■ Alarm Range: 25 ~ 250 bmp
■ Resolution: 1bpm

- Accuracy: ± 3 bpm
- Refreshing Rate: 1s

## ETCO2:

- Measurement Range: 0 ~ 150 mmHg
- Resolution: 0.1mmHg
- Accuracy: ± 2mmHg
- Alarm Range: 0 ~ 150 mmHg

## AWRR:

- Measurement Range: 0 ~ 150 bpm
- Resolution: 1bpm
- Accuracy: ± 1bpm
- Alarm Range: 0~ 150bpm

## Components

- Main Unit
- $SpO_2$ Sensor
- 1 G HighSpeed SD Card
- MicroStream EndTidal $CO_2$ Module

# Oximeter - CMS50R Pulse Oximeter


## Major Features

■Integrated with $SpO_2$ probe and processing display module
■Small in volume, light in weight and convenient in carrying
■Operation of the product is simple ,low power consumption
■$SpO_2$ value display
■Pulse rate value display
■With measured data overruns limits and low-voltage alarm function
■Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage, and with alarm function
■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
■Fashion appearance,ring style

## Main performance

Display Mode: segment LCD display
$SpO_2$ 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:
$SpO_2$ and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. $SpO_2$ 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%.
Voltage: DC 3.6V～4.2V
Power Supply:Voltage 3.6 rechargeable lithium battery × 1
Battery Working Hour: 2 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard:**
■A user manual
■One rechargeable button lithium battery
■Charge accessories: One power adapter, one charger, one data line

## Physical Identity

Dimension: 32(L) × 28(W) × 40(H) mm
Weight: About 14g (with a button lithium battery)


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# Oximeter - CMS50I/CMS50IW Pulse Oximeter


## 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 PI 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 can be 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 (Only CMS50IW)
■Connected with an external oximeter probe
■Power-off :long press power button to turn off the device
■Wireless communication function (Only 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%：±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 Consumption: less than 100mA
Voltage: DC 3.6V～4.2V
Power Supply: Voltage 3.7 rechargeable lithium battery × 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
■Two One-off adhesive SpO2 probe
■A power adapter（GTM41076-0605 or 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)



# Oximeter - CMS50QB Pulse Oximeter

## Instructions

Principle of the CMS50QB 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

■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
■With measured data overruns limits and low-voltage alarm function
■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
■Small appearance, more fit for children

## Main performance

Display Mode：0.96"Dual-color OLED display
Screen Resolution：128*64
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 Consumption: less than 80mA
Voltage: DC 3.6V～4.2V
Power Supply: Voltage 3.6 rechargeable lithium battery × 1
Battery working hour: 6 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard**

■a hanging rope
■a user manual
■One rechargeable button, lithium battery
■Charge accessories: One power adapter, one charger, one data line

## Physical Identity

Dimension:46(L) × 40(W) × 29(H) mm
Weight:About 35g (with a rechargeable button battery)


# Oximeter - CMS50QA Pulse Oximeter

## Instructions

Principle of the CMS50QA 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

■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
■A pulse rate sound indication
■With measured data overruns limits and low-voltage alarm function
■Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage and with alarm function
■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.
■Small appearance, more fit for children

## Main performance

Display Mode： Segment LCD display
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 Consumption: less than 50mA
Voltage: DC 3.6V～4.2V
Power Supply: Voltage 3.6 rechargeable lithium battery × 1
Battery working hour: 10 hours
Battery working life: Charge and discharge no less than 300 times.
Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard**
■a hanging rope
■a user manual

■One rechargeable button lithium battery
■Charge accessories: One power adapter, one charger, one data line

## Physical Identity

Dimension:46(L) × 40(W) × 29(H) mm
Weight:About 35g (with a button lithium battery)

## Oximeter - CMS50H Pulse Oximeter


## Instructions

Principle of the CMS50H 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

◆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
◆Perfusion Index value display
◆With direction sensor, the display direction can be changed by automatic or manual mode
◆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 can be 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
◆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.
◆Can be connected with an external oximeter probe (optional)

## Main performance

Display Mode：1.3" 65K True color OLED display
◆Screen Resolution：128*96
◆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 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

## Accessories

**Sell in standard**
◆A hanging rope
◆A user manual
◆A data line
◆A disk (PC software)
**Sell in addition**
A Oximeter Probe (Refer to probe application instruction for details and notice renewal)

## Physical Identity

Dimension:58(L) × 36(W) × 26(H) mm
Weight:About 45g (with a lithium battery)

# Oximeter - CMS50D+ Pulse Oximeter


## Instructions

Principle of the CMS50D+ 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

◆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
◆ RF Wireless communication function(option)
◆ Connected with an external oximeter probe(option)
◆ 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.

## Main performance

◆**Display Mode** : 0.96" Dual color OLED display
◆**Screen Resolution** : 128*64
◆**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 Consumption:** less than 80mA
◆**Voltage:** DC 2.6V~3.6V
◆**Power Supply:**1.5V (AAA size) alkaline batteries × 2
◆**Battery working hour:** The minimum continually work time is 24hours， theoretical number is 32 hours.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**
◆ a hanging rope
◆ a user manual
◆ a data line
◆ a disk (PC software)
**Sell in addition**
◆ Wireless Module
◆Oximeter Probe(Refer to probe application instruction for details and notice renewal）

## Physical Identity

◆**Dimension:**58.5(L) × 31(W) × 32 (H) mm
◆**Weight:**About 52g (with the batteries)


## Oximeter - CMS60D/CMS60DW Pulse Oximeter


## Instructions

Principle of the CMS60D 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
■Screen brightness can be changed
■Pulse rate sound indication
■With review function
■With clock function
■With measured data overruns limits and low-voltage alarm function
■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
■Connected with an external oximeter probe
■Wireless communication function（CMS60DW）

## Main performance

Display Mode：1.8" Color OLED display
Screen Resolution：160*128
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 Consumption: less than 100mA
Voltage: DC 2.6V~3.6V
Power Supply: Dry battery(2AA)
Battery working hour: Theoretical number is 44 hours.
Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard**

■A user manual
■A data line
■A disk (PC software)
■An oximeter probe

**Sell in addition**

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

## Physical Identity

Dimension: 110(L) × 60(W) × 23(H) mm
Weight:About 180g (with Alkaline battery(2AA))

# Oximeter - CMS50DL Pulse Oximeter

## Instructions

Principle of the CMS50DL 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

◆ 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
◆ 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.
◆ Various color of cover can be selected

## Main performance

υ◆Display Mode：LED display
υ◆SpO2 Measuring Range：0%～100%, (the resolution is 1%).
υ◆ Accuracy：70%～100%：±2% ,Below 70% unspecified.
υ◆ PR Measuring Range：30bpm～250bpm, (the resolution is 1bpm)
υ◆ Accuracy：±2bpm or ±2% (select larger)
υ◆ 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).
υ◆ 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%.
υ◆ Power Consumption：less than 25mA
υ◆ Voltage: DC 2.6V～3.6V
υ◆ Power Supply:1.5V (AAA size) alkaline batteries × 2
υ◆ Battery working hour: Theoretical number is 20hours.
υ◆ Safety Type: Interior Battery，BF Type

## Accessories

**Sell in standard**
υ◆ a hanging rope
υ◆a user manual

## Physical Identity

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

# Oximeter - CMS50E Pulse Oximeter


## Instructions

Principle of the CMS50E 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

◆ 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
◆ 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 can be 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
• ◆ 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.
• ◆RF Wireless communication function (option) (only applied for Ver6.6R or above )
• ◆ Connected with an external oximeter probe(option)（CMS50EW，only applied for Ver6.6R or above of CMS50E

## Main performance

• ◆ Display Mode：1.3" 65K Color OLED display
• ◆Screen Resolution：128*96
• ◆ 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 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

## Accessories

**Sell in standard**

- ◆ a hanging rope
- ◆ a user manual
- ◆ a data line
- ◆ a disk (PC software)
- ◆ a power adapter （GTM41076-0605;CMS0105）

**Sell in addition**

Oximeter Probe(Refer to probe application instruction for details and notice renewal）
RF Wireless Module”（only applied for Ver6.6R or above of CMS50E)

## Physical Identity

Dimension:57(L) × 32(W) × 30 (H) mm
Weight:About 50g (with the lithium battery)

# Oximeter - CMS50D Pulse Oximeter


## Instructions

Principle of the CMS50D 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

◆ 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

## Main performance

◆**Display Mode** : 0.96" Dual-color OLED display (blue and yellow)
◆**Screen Resolution** : 128*64
◆**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 Consumption**: less than 30mA
◆**Voltage:** DC 2.6V~3.6V
◆**Power Supply:** 1.5V (AAA size) alkaline batteries × 2
◆**Battery working hour:** Theoretical number is 32 hours.
◆**Safety Type:** Interior Battery, BF Type

## Accessories

**Sell in standard**

◆ a hanging rope
◆ a user manual

## Physical Identity

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




# Oximeter - CMS50L Pulse Oximeter


## Instructions

Principle of the CMS50L 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

■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
■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.

## Main performance

Display Mode: LED display
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 Consumption: less than 25mA
Voltage: DC 2.6V~3.6V
Power Supply: 1.5V (AAA size) alkaline batteries × 2
Battery working hour: The minimum continually work time is 24 hours， theoretical number is 56 hours.
Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard**
■a hanging rope
■a user manual

## Physical Identity

Dimension:66(L) × 36(W) × 33(H) mm
Weight:About 50g (with the batteries)



# Oximeter - CMS50A Pulse Oximeter


## Instructions

Principle of the CMS50A 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

◆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
◆Battery capacity indication
◆Backlight
◆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.

## Main performance

◆**Display Mode** : 1.3" LCD display
◆**Screen Resolution** : 128*64
◆**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 Consumption: Smaller than 40mA.
◆Voltage: DC 2.6V-3.6V
◆Power Supply: 1.5V (AAA size) alkaline batteries × 2
◆Battery working hour: The minimum continually work time is 15 hours, theoretical number is 28 hours.
◆Safety Type: Interior Battery, BF Type

## Accessories

**Sell in standard**
◆a hanging rope
◆a user manual

## Physical Identity

**Dimension:**65(L) × 35(W) × 40 (H) mm
**Weight:**About 75g (with the batteries)