



**CONTEC™**



**CMS60D/DW**  
**Pulse Oximeter**

# CMS60D/DW

## Features

- Operation of the product is simple and convenient.
- The product is small in volume, light in weight and convenient in carrying.

## Main performance

- SpO<sub>2</sub> value display
- Pulse rate value display, bar graph display
- Pulse waveform display
- Low-voltage indication: low-voltage indicator appears before working abnormally which is due to low-voltage
- Screen brightness can be changed
- Pulse sound indication
- With alarm function
- With SpO<sub>2</sub> value and pulse rate value of storage, the stored data can be uploaded to computers
- It can be connected with an external oximeter probe
- Real-time data can be transmitted to computers
- Review function
- Clock function
- Wireless transmission function ( only for CMS60DW )

## Technical

### SpO<sub>2</sub> Measuring

Measuring range: 0%~100%

Accuracy:

When the SpO<sub>2</sub> measuring range is 70%~100%,the permission of absolute error is  $\pm 2\%$ ;  
Below 70% unspecified

### Measurement of pulse rate

Measuring range:30bpm~250bpm

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

### Resolution

SpO<sub>2</sub> : 1%, Pulse rate: 1bpm.

### Measurement Performance in Weak Filling Condition

SpO<sub>2</sub> and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO<sub>2</sub> error is  $\pm 4\%$ ,  
pulse rate error is  $\pm 2$  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 supply requirement:** 2.6 V DC ~ 3.6V DC.

### Optical Sensor

Red light (wavelength is 660nm, 6.65mW)

Infrared (wavelength is 880nm, 6.75mW)

### Adjustable alarm range

SpO<sub>2</sub> : 0%~100%

Pulse Rate: 0bpm~254bpm



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