

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

- SpO₂ 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 SpO₂ 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

SpO₂ Measuring

Measuring range: 0%~100%

Accuracy:

When the SpO₂ 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: ± 2 bpm or $\pm 2\%$ (select larger)

Resolution

SpO₂ : 1%, Pulse rate: 1bpm.

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 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

SpO₂ : 0%~100%

Pulse Rate: 0bpm~254bpm



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Pulse Oximeter