

Instructions

CMS70A desktop Pulse Oximeter is a device for measuring pulse rate, SpO₂ and perfusion index(PI), and be applicable for use in Care places, oxygen bar, medical institution.

This product works with AC (with internal power); It can measure and display the pulse rate, SpO₂ and perfusion index(PI); Support the functions of multiuser storage and review; It can upload the storage data to PC for display and analysis; With alarm and real-time clock function.

CMS70A Desktop Pulse Oximeter

Main performance

- ◆ SpO₂ value display
- ◆ Pulse rate value display, bar graph display
- ◆ PI value display
- ◆ Pulse waveform display
- ◆ Battery power display
- ◆ Low-power indication: low-power symbol appears before working abnormality arising from low-power
- ◆ With the functions of multiuser storage and review
- ◆ Screen brightness can be adjusted
- ◆ Volume can be adjusted
- ◆ Display mode can be adjusted
- ◆ With pulse sound indication function
- ◆ With alarm function, the alarm limit can be set
- ◆ With real-time uploading function
- ◆ With clock function
- ◆ The alternating current supply mode(with internal power)



CMS70A

Desktop Pulse Oximeter

Main parameters

◆ Measurement of SpO₂

Measure range: 0~100%

Accuracy: When the SpO₂ measure range is 70%~100%, the permission of absolute error is $\pm 2\%$;

Below 70% unspecified

◆ Measurement of pulse rate

Measure range: 30bpm~250bpm

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

◆ Measurement of PI

Measure Range: 0~20%

When the PI measure range is 1%~20%, the permission of absolute error is $\pm 1\%$

When the PI measure range is 0%~0.9%, the permission of absolute error is $\pm 0.2\%$

◆ Resolution: SpO₂: 1% Pulse rate: 1bpm PI: 0.1%

◆ Measurement performance in weak filling condition

SpO₂ and pulse rate value 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 $\pm 1\%$

◆ Operating Voltage: Internal power supply: 3.6 V DC ~4.2V DC

Exterior alternating current supply: 100 ~ 240V AC 50/60Hz



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