

## 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 SpO<sub>2</sub>

Measure range: 0~100%

Accuracy: When the SpO<sub>2</sub> 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:  $\pm 2$  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: SpO<sub>2</sub>: 1%    Pulse rate: 1bpm    PI: 0.1%

#### ◆ Measurement performance in weak filling condition

SpO<sub>2</sub> and pulse rate value 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  $\pm 1\%$

#### ◆ 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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