

# CONTEC™



## RS01 Sleep apnea screen meter

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# RS01 Sleep apnea screen meter

The device is applicable for the persons who have obstructive sleep apnea-hypopnea syndrome(OSAHS), chronic obstructive pulmonary diseases(COPD), asthma, vascular disease, also the persons over 60 years old. And it can be used in hospital and home.

## \* Main Features

- ◆ Wrist-design, small in volume and light in weight
- ◆ Integrate multi-function in one device, convenient to know more physiological information
- ◆ Display of SpO<sub>2</sub>, PR, pulse sound, bar graph
- ◆ Display of pulse and nasal airflow waveform
- ◆ Alarm for low-power, finger-out and over-limit
- ◆ Adjustable screen brightness
- ◆ Real-time clock
- ◆ Auto-power on/off
- ◆ Multi-case record
- ◆ Record data in continuous 20 hours
- ◆ Upload data by USB to PC
- ◆ PC analysis software

## \* Accessories

- ◆ A power adaptor
- ◆ An USB data line
- ◆ Two kinds of SpO<sub>2</sub> probes
- ◆ nasal oxygen tube
- ◆ A CD (PC software)
- ◆ An user manual

## \* Main Parameters

- ◆ Nasal airflow measure range: 0rpm ~ 40rpm, Accuracy:  $\pm 2$ rpm
- ◆ SpO<sub>2</sub> measuring range: 0% ~ 100% (the resolution is 1%), Accuracy: 70%~100% :  $\pm 2\%$  ,below 70% unspecified
- ◆ Pulse Rate measuring range: 30bpm ~ 250bpm, Accuracy:  $\pm 2$  bpm or  $\pm 2\%$  (select the larger)
- ◆ Resistance to surrounding light: The deviation between the value measured in the condition of man-made light and indoor natural light and that of darkroom is less than  $\pm 1\%$
- ◆ 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)
- ◆ Display: 1.8" color OLED
- ◆ Power consumption:  $\leq 70$ mA
- ◆ Power supply: 3.7V rechargeable Lithium Battery
- ◆ Battery working hour: It can continuously work for more than 20 hours under full-power state
- ◆ Safety Type: Internally powered equipment, Type BF applied part

## \* Physical Identity

Dimension: 69mm(L)  $\times$  50mm(W)  $\times$  17.3mm(H)

Weight: 100g ( included lithium battery )