

CONTEC™



MS100 SpO₂ Simulator

Features

- ★ Separated connection between simulator probe and host, operation and test are more convenient
- ★ Adopt TFT screen, adjustable brightness level
- ★ Film key-press, makes the operation more comfortable
- ★ Power with chargeable lithium battery
- ★ Key volume, can open or close

Brief Introduction

MS100 SpO₂ Simulator is a kind of Separated SpO₂ simulator, small and light. It can perform a series of tests for the oximeter by simulation means, and gives cognizance of veracity about the oximeter. Because the oximeter manufacturer may use different R-curves, some R-curves used abroad currently have been embedded.

Main Functions

- Oxygen saturation simulation
- Pulse rate simulation
- Patient state simulation preset
- Can test the reaction time of device
- Can simulate the SpO₂ and pulse rate under different amplitude
- Can test the performance of device under different interference source
- Can select different R-curve



Main Parameters

SpO ₂	Measuring range: 35%~100% Resolution: 1% Accuracy: When SpO ₂ is 75%~100%, the error is $\pm 2\%$ or the device's accuracy; when SpO ₂ is 74%~50%, the error is $\pm 3\%$ or the device's accuracy; no definition when SpO ₂ is less than 50%
Pulse rate	Measuring range: 25bpm~250bpm Resolution: 5bpm Accuracy: 1% \pm 1bpm
Amplitude	Measuring range: 0.000%~20.000% Resolution: 1% for 1.000%~20.000%; 0.1% for 0.100%~0.900%; 0.025% for 0.000%~0.075%
Patient state	24 conditions presetting and 8 conditions as default state, adjust the number of patient state by setting motion level
Working voltage	DC 3.6V~4.2V
Working current	Working current: \leq 500mA
Battery	3.7V rechargeable lithium battery(1 pcs)

Accessories

- ★ user manual
- ★ SpO₂ Simulator Probe
- ★ 5.0V adaptor