

MS200 NIBP Simulator

Product Overview

MS200 NIBP Simulator is a multi-purpose tester applied to the oscillometric Non-Invasive Blood Pressure (NIBP) Monitor. It can test the performance of multiform blood pressure monitor, provides dynamic blood pressure simulations, static pressure calibration, automated leak testing, and pressure relief valve testing.

Main Features

- Operation is simple and convenient.
- 65K color 4.3" LCD (480*272) display , screen brightness can be changed.
- Pressure leak testing on cuff, tubing, and connections.
- Relief valve testing on the patient monitor.
- Pressure gauge testing.
- Pressure source capability.
- NIBP simulations for adult, neonate, arrhythmias, and respiratory interference .
- Built-in air chamber to simulate adult and neonate cuff.

Main Parameters

- Heart Rate Accuracy for NIBP Simulations

±1BPM

Patient Conditions :

Weak pulse, Tachycardia, Obese , Geriatric ±1% ±1BPM

Mild exercise ±1.5% ±1BPM

Strenuous exercise ±3% ±1BPM

- Pressure Measurement

Units : mmHg , kPa , cmH₂O , inH₂O , psi

Range : 0 mmHg-400 mmHg

Resolution : 1 mmHg , 0.1 kPa , 1 cmH₂O , 1 inH₂O , 0.1 psi

Accuracy : 0 - 300 mmHg : ±0.5 % of reading ±1 mmHg

301 - 400 mmHg : ±2 % of reading

- Pressure Generation

Pressure generator, Static pressure range : 50 mmHg-400 mmHg

Difference between target pressure and actual pressure : ±10 mmHg from 100-400 mmHg
with a minimum volume of 300 cc

Internal leak rate : <2 mmHg per minute, with a minimum volume of 300 cc

- Power

100 - 240 V AC 50/60 Hz, 60 VA

- Environmental Conditions

Working temperature : 15°C-40°C

Storage temperature : -20°C-65°C

Relative humidity : < 90%

