

SimCube® SC-5 - A *Dynamic* NIBP simulator with ECG, Respiration, Invasive Pressures, Arrhythmia, built in Manometer, and Pacer!



- ◆ **Extremely Portable** 3" X 3" cube proves good things can come in small packages
- ◆ **Five Models Available** Add features to the basic SimCube to meet your needs on any budget
- ◆ **One-Button Operation** Select from 7 different modes and 21 features at the touch of a button
- ◆ **Accurate Preset NIBP's** 120/80, 70/40 (Neo), 190/120, 80/40
- ◆ **Built-in Manometer** -400 to +400mmHg
- ◆ **12 Lead ECG** 10 different ECG Heart Rates, *synchronized* w/ NIBP
- ◆ **HR Sequence** Perform alarm testing from low to high values for ECG/Resp.
- ◆ **Invasive Pressures** 7 different static, 3 different dynamic invasive pressures
- ◆ **Arrhythmia** Asystole, Brady, Tachy, PVC, Couplet, Run, V-Tach, V-Fib
- ◆ **Respiration** 9 different Respiration rates
- ◆ **Pacer** Simulate a paced patient
- ◆ **Peak Detect** Verify Overpressure Limits
- ◆ **Battery Boost Option** 4 Alkaline or NiMH AA size batteries, 150+ **consecutive** NIBP simulations, Battery condition indicator, Automatic AC detection

Rugged Construction - The SimCube is constructed of structural 1/8" wall extruded aluminum, affording superior strength and corrosion resistance. The unit is encased in a vinyl jacket for scratch resistance and quiet operation.

OxSim Flex™– Take control of all your simulations with the next-generation SpO2 simulator. The world's smallest SpO2 simulator now provides complete flexibility in selecting saturation, pulse rate and perfusion index. Users can create customized Preset Simulations for faster testing of oximeter performance and for alarm testing without having to change the monitor's alarm settings! Masimo rainbow SET® compatible and sporting an OLED color display, the unit automatically detects the manufacturer of pulse oximetry. Weighs only 5 oz. and runs for 10 hours on a single AA battery.



◆ **Complete Control of Simulations**

- Saturations in 1% increments (10-100%)
- Pulse rates in 1 BPM increments (25-240)
- Automatic detection of SpO2 manufacturer

◆ **Create Custom Presets**

- Access with a Single Button!
- Faster PM Testing
- Configure for Alarm Test Points

◆ **Masimo rainbow SET® Compatible**

- Requires rainbow Optical test sensor from Masimo
Part# 3379. Price of Masimo Test Sensor is \$995.

◆ **Compatible with over 30+ manufacturers**

- Masimo, Nellcor, Nellcor OxiMax, Masimo rainbow SET, Nonin, Nonin PurSat, ChoiceMMed, Creative Medical, Smiths Medical BCI, Philips FAST, Philips, GE, GE TruSat, GE TuffSat, GE ProCare, GE Dinamap, Ohmeda, Datex Ohmeda, Spacelabs, Datascope, Mindray, Nihon Kohden, Medaid, Midmark, HP/Philips, Colin, Welch Allyn, Fukuda Denshi, Novamatrix, Draeger, Siemens, CASMED and more...

◆ **Runs on one AA battery for 10 hrs.**

◆ **Drop tested 50 times with no failures**

OxSim Flex™ – Testing with Masimo rainbow SET® Oximeters.

Overview

When testing Masimo rainbow SET® oximeters configured to measure additional blood constituents and physiologic parameters including SpO2, Total Hemoglobin (SpHb®), Carboxyhemoglobin (SpCO®), Methemoglobin (SpMet®), the OxSim Flex in conjunction with a Masimo Test Sensor, can simulate all those parameters to perform a complete test of the rainbow oximeters.

These oximeters are commonly referred to as Masimo “rainbow” oximeters and can be configured with all the parameters listed above, SpO2 only or a combination of the additional parameters. It is important for the customer to confirm the configuration of their oximeters in order to determine if the Masimo Test Sensor is required or not. For rainbow oximeters configured to monitor just SpO2, only the OxSim Flex is needed. If additional parameters are configured on the oximeter, the Masimo test sensor (Part number 3379) is required and can be purchased from Masimo Corporation.

Testing Masimo rainbow SET oximeters with SpHb, SpCO or SpMet

1. Power up the OxSim Flex, Press and hold the yellow button, then scroll to select M-Rainbow.
2. Connect the Masimo Test Sensor to the OxSim Flex and select desired SpO2 and Heart Rate simulation.
3. For SpCO, SpMet and SpHb, the simulation values are:
100% SpO2: SpCO= 0%, SpMET = 0%, SpHb = 25g/dl¹

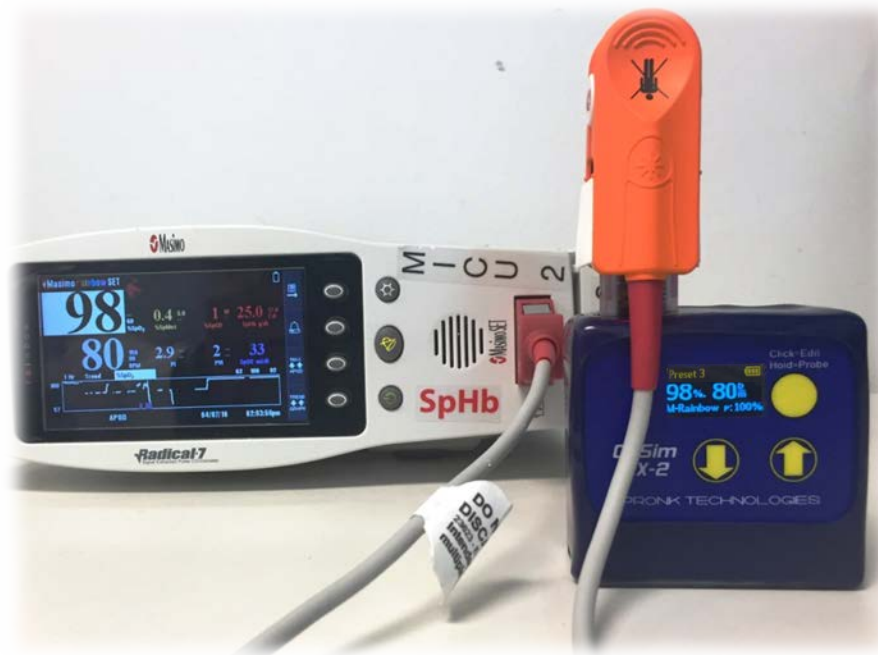
SpCO: -1% change in SpO2 = +0.7% change in SpCO

SpMET: -1% change in SpO2 = +0.3% change in SpMet

SpHb: -1% change in SpO2 = -0.5 g/dl change in SpHb

¹ Changes in SpHb values will not be observed for SpO2 values above 90%

NOTE: When testing rainbow oximeters configured for SpO2 only, select probe type Autoprobe or Masimo-D probe and use standard Masimo SpO2 probe for testing oximeter.



OxSim® OX-1 – Optical Pocket sized SpO2 simulator that runs on one AA alkaline battery or drops into the SimCube carrying case and connects directly to the Battery Boost Option.



Key Features

- ◆ Optical oxygen saturation simulations
- ◆ Automatic detection of sensor type
- ◆ 4 different Saturation rates
- ◆ 3 different Pulse Rates
- ◆ Low Perfusion Simulation
- ◆ IR and Red LED detection
- ◆ Runs on one AA alkaline battery!
- ◆ Drop tested 50 times with no failures

Sensor Type Setting	Monitor
#1 Auto	Nellcor Masimo Datascopes Protocol Spacelabs HP/Philips (blue extension cable) HP/Philips (tan soft sensor) Mediaid Nihon Kohden Colin Nonin GE/Marquette Welch Allyn Datex Ohmeda (SpO2 SW ver dated 1990-2001)
#2 HP/Ohm	HP/Philips (cocoa brown soft sensor) Ohmeda (GE/Datex/Ohmeda SpO2 SW ver dated 2006+)
#3 Other	Datex Ohmeda (SpO2 SW ver Dated 2001-2005) Novamatrix

SimSlim® - Multi-Parameter Simulator is the smallest comprehensive simulator on the market. ECG, Respiration, Arrhythmia, 4-IBP, YSI 400/700 Temperature and Cardiac Output. Its patented power circuitry provides an amazing battery life for up to 7-10 years without charging or changing the batteries!



REVOLUTIONARY!

The smallest comprehensive Multi-Parameter Simulator One Button, Fifty Simulations

- ◆ Pocket sized, rugged, reliable and easy to use
- ◆ 12 Lead ECG/Resp with built in banana plug interface
- ◆ 7-10 Year Battery Life (no charging or changing)
- ◆ 4 channels of Invasive Blood Pressures
- ◆ Cardiac Output with no adapters needed
- ◆ YSI 400/700 Temperature
- ◆ 4 year parts and labor warranty

