Coming Soon!
Available
4th Qtr. 2017

Features - FSX-1200

- **Small, Handheld, Lightweight, Rugged**
- **Intuitive User Interface**
- **Color Touch Screen**
- **Preset & Manual Mode Operation**
- **Saturation Levels from 10-100%**
- **Heart Rates from 25-240 BPM**
- **Adjustable Perfusion Index**
- **Adjustable Transmission Level**
- **Selectable Artifacts**
- **Pulse Synchronized with NIBP-1000, PS-2100 or PS-2200 Series**
- **Masimo rainbow® SET Compatible**

FSX-1200 shown with SPO2 Cuff for size comparison.

FSX-1200

The FSX-1200 is a digital SPO2 simulator with numerous advanced features. It is small and light weight, yet very powerful. The FSX-1200 has a large, bright, 3.8" color touchscreen that provides an exceptionally user friendly interface. An intuitive menu structure allows easy access and viewing of all setup and function parameters.

To make testing your SPO2 monitor easier and faster, the FSX-1200 has a set of factory presets. Want to program your own? There are six custom presets available. Need to do a more specific evaluation? There is a Manual Mode that allows individual control over each parameter through the full range of settings.

The FSX-1200 is at the top of its class in performance and specifications. SPO2 is available in 1% increments with a 2% accuracy and Heart Rate is available in 1 BPM increments with a 1% accuracy. The transmission (light) level is selectable to simulate large, medium or small fingers. Artifacts such as respiration and ambient light can also be introduced to simulate real life situations. The FSX-1200 is also compatible with Masimo rainbow® SET Technology.

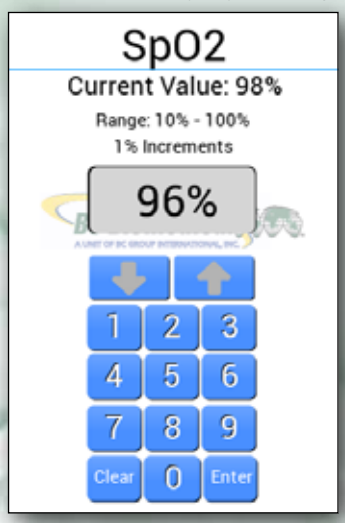
The FSX-1200 can be connected to your BC Biomedical NIBP-1000 Series, PS-2100 Series or PS-2200 Series Patient Simulator via the auxiliary port (by using the provided cable). This allows for a synchronized SPO2 and ECG simulation for your monitors.

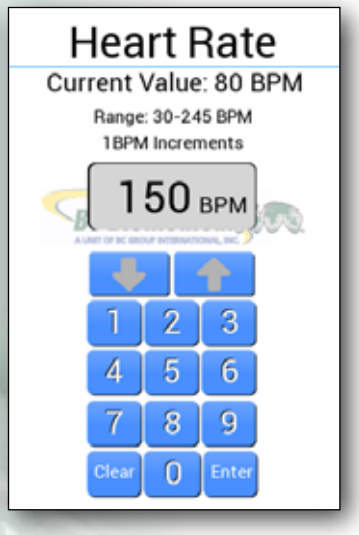
The FSX-1200 can be powered by its four internal AA batteries, or using the provided cable from the auxiliary port on your BC Biomedical Patient Simulators, any USB port or the provided universal AC adapter. In battery powered operation, the battery life is 15 hours of full operation with full backlight intensity.

FSX-1200 Specifications

	FSX-1200 Specifications
SPO2	10 to 100% (1% Steps)
SPO2 Accuracy	2%
Heart Rate	25 to 240 BPM (1BPM steps)
Rate Accuracy	1%
PI	0.2%, 2.0% & 10%
Transmission	Large, Medium or Small Finger
Artifacts	Respiration or Ambient Light
Manufacturer Type	Nellcor, Masimo, Nonin, Nihon Kohden, Mindray, GE-Ohmeda, Philips/HP and BCI
Tests	Manual plus Factory Preset Plus Custom Presets
Battery Type	4xAA Alkaline Batteries
Battery Life	15 Hours (Full Backlight)
Display	Color Touchscreen, 3.8 inch
Size	3.25 x 4.8 x 1.2 (inches)(without finger)
Weight	11 oz (with batteries)

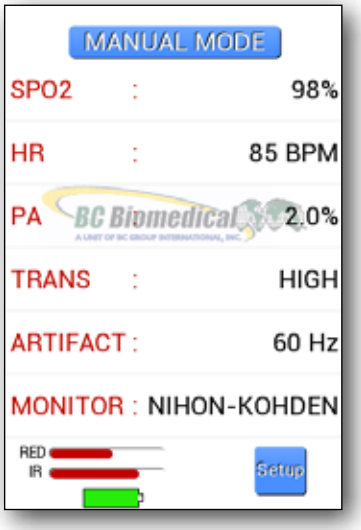
Easily Adjust Settings with Touch Screen Display



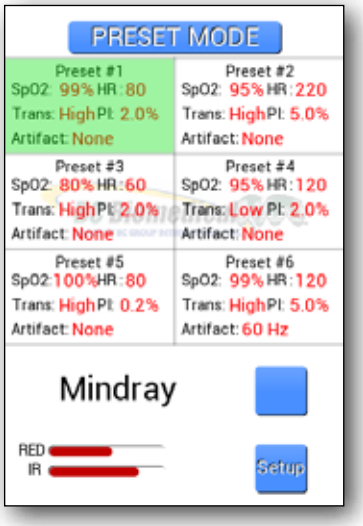


Screen Views

Main Screen



Preset Screen



Monitor Selection

For product pricing - Page 93

Coming Soon! Available 4th Qtr. 2017

Features - FSX-1100

- **Small, Handheld, Lightweight, Rugged**
- **Intuitive User Interface**
- **Color Touch Screen**
- **Preset & Manual Mode Operation**
- **6 Saturation Levels from 80-99%**
- **Heart Rates from 30-240 BPM**
- **Adjustable Perfusion Index**
- **Pulse Synchronized with NIBP-1000, PS-2100 or PS-2200 Series**

FSX-1100 shown with SPO2 Cuff for size comparison.

NEW

FSX-1100

If you don't need all of the features of the FSX-1200, the FSX-1100 provides a smaller, simpler and more cost effective version while maintaining its accuracy and user friendly interface.

The FSX-1100 is a digital SPO2 simulator with many features. It is small and light weight, yet very powerful. It has a bright, 2.4" color touch-screen that, coupled with an intuitive menu structure, allows easy access and viewing of all setup and function parameters.

To make testing your SPO2 monitor easier and faster, the FSX-1100 has a set of factory presets. Need to do a more specific evaluation? There is a Manual Mode that allows individual control over each parameter only limited by the specific values that are available.

The FSX-1100 is at the top of its class in performance and specifications. SPO2 (in %) is selectable from six values with 2% accuracy. Heart Rate (in BPM) is selectable from 10 values with 1% accuracy. Three Perfusion Index values are also available.

The FSX-1100 can be connected to your BC Biomedical NIBP-1000 Series, PS-2100 Series or PS-2200 Series Patient Simulator via the auxiliary port (by using the provided cable). This allows for a synchronized SPO2 and ECG simulation for your monitors.

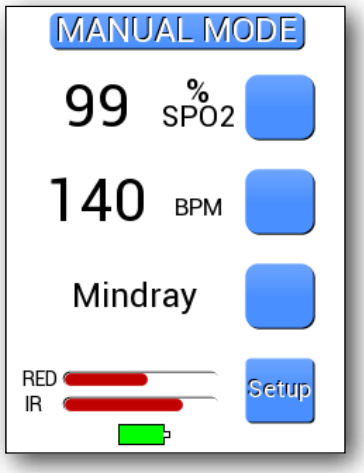
The FSX-1100 can be powered by its two internal AA batteries, or using the provided cable from the auxiliary port on your BC Biomedical Patient Simulators, any USB port or the provided universal AC adapter. In battery powered operation, the battery life is 10 hours of full operation with full backlight intensity.

FSX-1100 Specifications

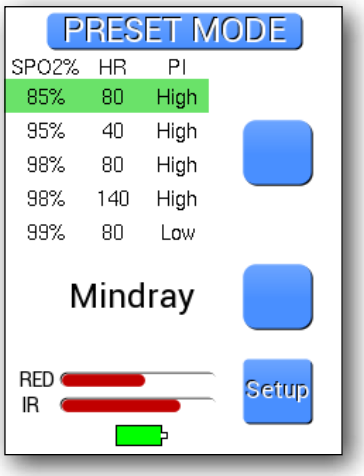
	FSX-1100 Specifications
SPO2	80, 85, 90, 95, 98, 99%
SPO2 Accuracy	2%
Heart Rate	30, 40, 60, 80, 100, 120, 140, 150, 180 & 240 BPM
Rate Accuracy	1%
PI	0.2%, 2.0% & 10%
Manufacturer Type	Nellcor, Masimo, Nonin, Nihon Kohden, Mindray, GE-Ohmeda, Philips/HP and BCI
Tests	Manual plus Factory Preset (5 steps)
Battery Type	2xAA Alkaline Batteries
Battery Life	10 Hours (Full Backlight)
Display	Color Touchscreen, 2.4 inch
Size	2.5 x 3.75 x 1 (inches)(without finger)
Weight	6 oz (with batteries)

Screen Views

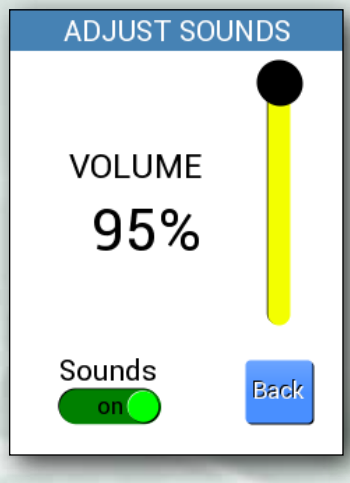
Manual Mode



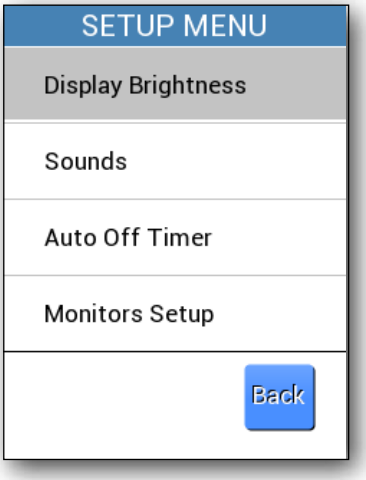
Preset Mode



Easily Adjustable Settings with Touch Screen Display



Setup Menu



For product pricing - Page 93

Features - FingerSims™

- **Easy to Use SpO_2 Simulator**
- **Quick Testing of Pulse Oximetry Systems including Sensors**
- **80, 90 & 97% Saturation Levels**
- **Inexpensive & Accurate**

Features - MSP-2100

- **Accepts the FingerSims™ to Provide SpO_2 Outputs**
- **Pulse Synchronized with PS-2100, PS-2200 & NIBP-1000 Series Products via Aux Port**
- **Powered via Aux Port**

Features - SPO-2000

- **Accepts the FingerSims™ to Provide SpO_2 Outputs**
- **30, 60, 90, 120, 150 & 180 BPM Pulse Rates**
- **External AC Adapter**
- **Compact & Cost-Effective**
- **Maintenance Free**

FingerSims™ Replacement Set FS-1000RS

The FingerSims™ test your SpO_2 monitor and finger sensor as a system and works very similar to a human finger, providing for variable absorption and reflectance of visible red and infrared light. The dye-based technology of the FingerSims™ is a proven simulation technique for generating accurate SpO_2 saturation levels. Plus FingerSims™ work with any style Pulse Oximetry Finger Sensor. The FingerSims™ provide SpO_2 outputs of 80, 90 & 97%. Simply push on the FingerSims™ to generate a "pulse" or include a calibrated pulse rate by adding the SPO-2000 or the MSP-2100 Pulse Oximetry Module.

MSP-2100 with FingerSims™

The MSP-2100 can plug into the Auxiliary port of BC Biomedical's PS-2100, PS-2200 and the NIBP-1000 Series providing a calibrated pulse rate. *(FingerSims™ Required, but not included.)*

SPO-2000 with FingerSims™

The SPO-2000 is a stand-alone device that provides a calibrated pulse rate for the FingerSims™. This allows the FingerSims™ to be used as a hands-free test system. *(FingerSims™ Required, but not included.)*

FingerSims™ Starter Kit
FS-1000-SK

NIBP-1010 with MSP-2100 & FingerSims™

PS-2110 with MSP-2100 & FingerSims™

FingerSims™ Specifications

Saturation Nominal Values 80, 90 & 97%. *These are the nominal Red-to-Infrared Ratios (AC) @ 72.5 F & 660 nM/910 nM*

Light Absorption	Infrared: 10 to 40 dB Red: 15 to 40 dB
Typical Infrared Percent Modulation when Squeezed	0 to 5%
Long Term Storage Temp Range	32 to 104 °F (0 to 40 °C)
Operating Temp.	65 to 90 °F (18 to 32 °C)

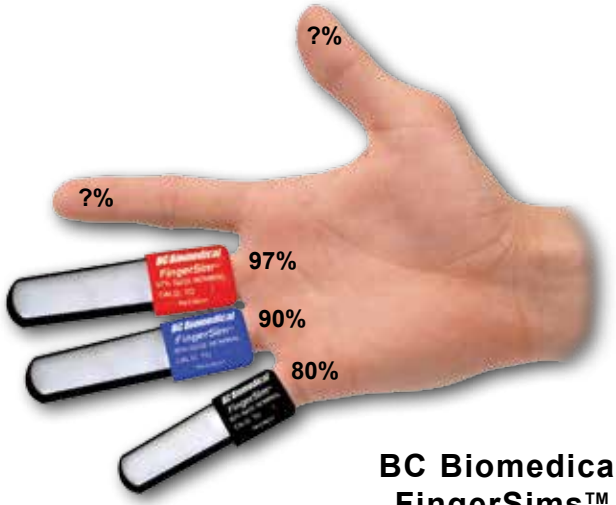
MSP-2100 Specifications

Accuracy	±1 BPM
Power	Aux Port
Weight	≤ 1 Lbs (0.45 kg)
Size	2.3 x 3.6 x 1.5 Inches (58.4 x 91.4 x 38.1 mm)

SPO-2000 Specifications

Accuracy(Rate)	± 1%
Power	AC Adapter
Weight	≤ 1 Lbs (0.45 kg)
Size	5.2 x 5.2 x 2.5 Inches (132.1 x 132.1 x 63.5 mm)

Would it be nice to have calibrated fingers?



BC Biomedical FingerSims™

For product pricing - Page 93