# WristOx<sub>2</sub>® Model 3150 USB

Wrist-Worn Pulse Oximeter



# The WristOx<sub>2</sub> Model 3150 USB Pulse Oximeter Delivers More Value as a Lower-Cost Solution

Designed using Nonin Medical's proven PureSAT® SpO<sub>2</sub> technology, the WristOx<sub>2</sub> Model 3150 USB delivers fast, highly accurate oxygen saturation and pulse rate readings in challenging conditions including low perfusion and motion.

Because of it's USB data connection and lower price, the  $WristOx_2$  Model 3150 USB provides added value over the  $WristOx_2$  Model 3150 to customers who do not require the use of Bluetooth®.

The WristOx<sub>2</sub> Model 3150 USB comes with a wide range of Nonin PureLight® sensors and provides continuous and reliable SpO<sub>2</sub> monitoring and data recording, making it ideal for overnight oximetry studies at home, in the hospital and in sleep labs.

## **Product Highlights**

- Available in two configurations:
- WristOx<sub>2</sub> Model 3150 USB device with sensor of choice and carrying case
- Starter Kit (3150SK USB) with WristOx<sub>2</sub>
  Model 3150 USB device, sensor of
  choice, nVISION software, PC USB
  interface cable, extra wrist straps and
  carrying case
- WristOx<sub>2</sub> line of sensors is designed exclusively for use with the WristOx<sub>2</sub> Model 3150 USB
- Easy-to-use: simply put your finger in the sensor to begin monitoring and recording data
- Small size wears like a watch with large display screen and enhanced sensor connector design
- Overnight oximetry reporting available when used with Nonin nVISION® data management software
- Data can be transferred securely to nVISION via USB connection





## **Added Benefits**

Versatility – The WristOx<sub>2</sub> Model 3150 USB is an ideal choice for multiple applications where small, portable oximetry is needed and Bluetooth® connectivity is not essential.

Simple Data Verification – The Memory Volume Indicator (MVI) Mode provides a graphic display in hours and minutes, verifying that a sufficient amount of data has been recorded during oxygen qualification testing.

## Comparison of Full and MVI Display







MVI Display Showing Monitoring Time in Hours and Minutes

Powerful Battery – 48 hours of battery life using two AAA alkaline batteries

Enhanced Memory – 1,080 hours of non-volatile memory at a four-second sampling rate with additional high resolution variable sampling options of one or two seconds

Nonin Quality and Support – Rugged durability and industryleading 3-year warranty

## **Specifications**

<b>Dimensions</b> (without sensor or strap)	56 mm (2.2") wide x 74 mm (2.91") high x 20 mm (.79") thick
Weight (with batteries and wrist strap)	71 grams (2.5 oz)
Warranty	3 years
Oxygen Saturation Range (%SpO <sub>2</sub> )	0% to 100%
Pulse Rate Range	18 to 321 pulses per minute
Displays	
Numeric Displays	3-digit Indicators
Pulse Indicator	Pulse Strength Bar graph
Accuracy	
Blood Oxygen Saturation (%SpO <sub>2</sub> ±1 A	A <sub>rms</sub> )* . 70% to 100%
Non-motion	± 2 digits**
Low perfusion	± 2 digits**
Motion	
Pulse Rate (in all 3 listed above)	± 3 digits**
Temperature	
Operating	+23° to +104°F (-5° to +40°C)
Storage/Transportation	40° to +158°F (-40° to +70°C)
Humidity	
Operating	10% to 95% noncondensing
Storage/Transportation	10% to 95% noncondensing
Altitude	
Operating Altitude	Up to 13,123 feet (4,000 meters)
Hyperbaric Pressure	Up to 4 atmospheres
Power Requirements	Two 1.5V alkaline AAA batteries
Battery Life	
Operating	53 hours minimum
Storage	9 months
Memory	
Type	Nonvolatile
CapacityUp to 1,080 hours @ 4 sec. data storage rate	
Up to	540 hours @ 2 sec. data storage rate
Up to	270 hours @ 1 sec. data storage rate

#### Classifications per IEC 60601-1/UL60601-1

Type of Protection	Internally powered
,,	(on battery power)
Degree of Protection	Type BF-Applied Part
Mode of Operation	Continuous

- \* ± A<sub>rms</sub> encompasses approximately 68% of the population.
- \*\* Refer to the operator's manual for additional accuracy specifications.
- \*\*\* As tested with Soft Sensor Series.

Quality systems registered to ISO 13485

Refer to the Instructions for Use for complete information, warnings, cautions and specifications for the product you are using.

Specifications are subject to change without notice.

## Select Your Options

#### Starter Kit 3150SK USB

- WristOx, Model 3150 USB device
- · Sensor of choice (see right)
- · Carrying case
- 3 extra wristbands
- nVISION Software
- PC USB interface cable

## WristOx, Model 3150 USB • WristOX, Model 3150 USB device

- · Sensor of choice (see right)
- · Carrying case
- 1 wristband



**Adult Flex System** 8000J-WO,

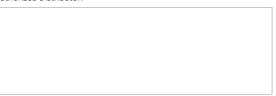
**Soft Sensor** 



8000SL-WO,, 8000SM-WO,, 8000SS-WO,

**Adult Clip Sensor** 8000AA-WO, Adult

Authorized Distributor:







### Nonin Medical, Inc.

13700 1st Avenue North Plymouth, MN • 55441 • U.S.A. Tel: +1.763.553.9968 1.800.356.8874 Fax: +1.763.577.5521

E-mail: info@nonin.com

#### nonin.com



### Nonin Medical B.V.

Prins Hendriklaan 26 1075 BD Amsterdam • Netherlands Tel: +31 (0)13-79 99 040 Fax: +31 (0)13-79 99 042 E-mail: infointl@nonin.com

