

# WristOx<sub>2</sub><sup>®</sup> Model 3150 USB

Wrist-Worn Pulse Oximeter



## 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<sup>®</sup> data management software
- Data can be transferred securely to nVISION via USB connection

## 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<sup>®</sup> 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 its USB data connection and lower price, the WristOx<sub>2</sub> Model 3150 USB provides added value over the WristOx<sub>2</sub> Model 3150 to customers who do not require the use of Bluetooth<sup>®</sup>.

The WristOx<sub>2</sub> Model 3150 USB comes with a wide range of Nonin PureLight<sup>®</sup> 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.



## 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



Full Display Showing SpO<sub>2</sub> and Heart Rate



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 industry-leading 3-year warranty

## Select Your Options

### Starter Kit 3150SK USB

- WristOx<sub>2</sub> Model 3150 USB device
- Sensor of choice (see right)
- Carrying case
- 3 extra wristbands
- nVISION Software
- PC USB interface cable



### WristOx<sub>2</sub> Model 3150 USB

- WristOx<sub>2</sub> Model 3150 USB device
- Sensor of choice (see right)
- Carrying case
- 1 wristband



Adult Flex System

8000J-WO<sub>2</sub>



Soft Sensor

8000SL-WO<sub>2</sub>, 8000SM-WO<sub>2</sub>, 8000SS-WO<sub>2</sub>



Adult Clip Sensor

8000AA-WO<sub>2</sub> Adult

## Specifications

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

Authorized Distributor:



Nonin Medical, Inc.  
13700 1<sup>st</sup> 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

