

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

*Wrist-worn Pulse Oximeter*



## **The WristOx<sub>2</sub>, Model 3150 Pulse Oximeter is Unmatched for Performance and Value!**

Engineered with Nonin Medical's proven PureSAT<sup>®</sup> SpO<sub>2</sub> technology, the WristOx<sub>2</sub>, Model 3150 delivers highly accurate readings in the widest range of patient populations and settings. The WristOx<sub>2</sub>, Model 3150 is ideal for applications including ambulatory monitoring, remote wireless monitoring and overnight studies—providing the versatility and reliability that clinicians expect from Nonin. The most advanced wrist-worn pulse oximeter available, the WristOx<sub>2</sub>, Model 3150 features improved performance and reporting capabilities, including enhanced connectivity and increased memory storage. A new ergonomic design and Bluetooth<sup>®</sup> wireless technology eliminate the inconvenience of bulky cables and provide patients with increased comfort and independence—making this pulse oximeter ideal for ambulatory monitoring.

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

## Product Highlights

- Easy to Use – Simply put your finger in the sensor
- Design Updates – Small size wears like a watch with large display screen and enhanced sensor connector design
- Software Support – Advanced features such as 6 Minute Walk Test (6MWT) or overnight sleep reporting available when used with nVISION<sup>®</sup> data management software
- Convenient Data Transfer – Transfer data securely to nVISION<sup>®</sup> via Bluetooth wireless or USB connection
- WristOx Sensor Line – The WristOx<sub>2</sub> sensors are exclusively designed for use with the WristOx<sub>2</sub>, Model 3150



## Added Benefits

**Versatility** – The WristOx<sub>2</sub>, Model 3150 is an ideal choice for multiple applications where small, portable oximetry is needed

**Powerful Battery** – 48 hours of battery life (non-Bluetooth), 24 hours with continuous Bluetooth using two AAA alkaline batteries

**Simple Data Verification** – The new Memory Volume Indicator Mode provides verification of recorded data during oxygen qualification studies

**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

**Proven PureSAT<sup>®</sup> Pulse Oximetry Technology** – Fast and accurate response for capturing events in challenging conditions such as motion and low perfusion

## Select Your Options

- 8000J-WO2 Adult Flex Sensor, 8000AA-WO2 Clip Sensor, 8000SS-WO2, 8000SM-WO2 and 8000SL-WO2 (small, medium, large) Soft Sensors
- 3150WB – Wristband
- 3150I – Adapter cable (for compatibility with all Nonin PureLight<sup>®</sup> sensors)
- nVISION data management software
- 3150SC – PC USB interface cable
- WristOxCC – WristOx<sub>2</sub> carrying case



## Available in Two Configurations

WristOx<sub>2</sub> (3150) Single unit or Starter Kit (3150SK) value bundle with nVISION software, PC USB interface cable and extra wrist straps. System comes with a 8000SM-WO2 Sensor.

## Specifications

|  |  |
|--|--|
| Dimensions (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  |
| <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>ms</sub> )* ..... | 70 - 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 40,000 feet (12,192 meters)  |
| Hyperbaric Pressure .....  | Up to 4 atmospheres  |
| <b>Power Requirements</b>  |  |
| .....  | Two 1.5V alkaline AAA batteries  |
| <b>Battery Life</b>  |  |
| Operating without Bluetooth * .....                                    | 48 Hours Minimum   |
| Operating with Bluetooth * ** .....                                    | 24 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>ms</sub> encompasses approximately 68% of the population.

\*\* Based on class 2 operation for 23 hours and class 1 operation for 1 hour in a 24 hour period.

\*\*\* Refer to the operator's manual for additional accuracy specifications.

\*\*\*\* As tested with Soft Sensor Series.

Quality systems registered to ISO 13485:2003

Specifications are subject to change without notice.

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