

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

*Wrist-worn Pulse Oximeter*



## **The Most Versatile Wrist-worn Pulse Oximeter for Unmatched Performance and Value!**

Engineered with Nonin Medical's proven PureSAT<sup>®</sup> SpO<sub>2</sub> technology, the WristOx<sub>2</sub><sup>TM</sup>, Model 3150 delivers highly accurate readings in the widest range of patient populations and settings. From the hospital to the home, the WristOx<sub>2</sub><sup>TM</sup>, 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><sup>TM</sup>, Model 3150 features advanced 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 it ideal for ambulatory monitoring.

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## 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
- **New Sensor Line** – The new WristOx<sub>2</sub><sup>TM</sup> sensors are exclusively designed for use with the new WristOx<sub>2</sub><sup>TM</sup>, Model 3150.



## Added Benefits

**Versatility** – The WristOx<sub>2</sub><sup>TM</sup>, 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

**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 - Reusable or disposable wristbands available in 6", 8", 10" and 13" lengths or wristband extension 5" (3150WBE)
- 3150I - Adapter cable (for compatibility with all Nonin PureLight<sup>®</sup> sensors)
- nVISION data management software
- 3150SC - PC USB interface cable
- 3100CC - 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

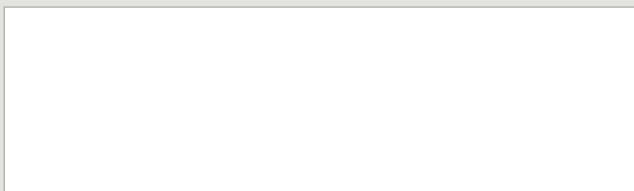
<b>Dimensions</b> (without sensor or strap)	.....56 mm (2.2") wide x 74 mm (2.91") high x 20 mm (.79") thick
<b>Weight</b> (with batteries and wrist strap)	.....71 grams (2.5 oz)
<b>Warranty</b>	.....3 years
<b>Oxygen Saturation Range</b> (%SpO <sub>2</sub> )	.....0% to 100%
<b>Pulse Rate Range</b>	.....18 to 300 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> ) <sup>*</sup>	.....70 - 100%
Non-motion	.....± 2 digits <sup>***</sup>
Low perfusion	.....± 2 digits <sup>***</sup>
Motion	.....± 3 digits <sup>****</sup>
Pulse Rate (in all 3 listed above)	.....± 3 digits <sup>****</sup>
<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 <sup>®</sup>	.....48 Hours Minimum
Operating with Bluetooth <sup>®</sup> **	.....24 Hours Minimum
Storage	.....9 months
<b>Memory</b>	
Type	.....Nonvolatile
Capacity	.....Up 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

<sup>\*</sup> ± A<sub>ms</sub> encompasses approximately 68% of the population.  
<sup>\*\*</sup> Based on class 2 operation for 23 hours and class 1 operation for 1 hour in a 24 hour period.  
<sup>\*\*\*</sup> Refer to the operator's manual for additional accuracy specifications.  
<sup>\*\*\*\*</sup> As tested with Soft Sensor Series.  
Quality systems registered to ISO 13485:2003

*Specifications are subject to change without notice.  
Pending 510(K)*

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