

WristOx₂[®] Model 3150

Wrist-worn Pulse Oximeter



The WristOx₂, Model 3150 Pulse Oximeter is Unmatched for Performance and Value!

Engineered with Nonin Medical's proven PureSAT[®] SpO₂ technology, the WristOx₂, Model 3150 delivers highly accurate readings in the widest range of patient populations and settings. The WristOx₂, 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 WristOx₂, Model 3150 features improved performance and reporting capabilities, including enhanced connectivity and increased memory storage. A new ergonomic design and Bluetooth[®] wireless technology eliminate the inconvenience of bulky cables and provide patients with increased comfort and independence—making this pulse oximeter ideal for ambulatory monitoring.

WristOx₂, 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® data management software
- **Convenient Data Transfer** – Transfer data securely to nVISION® via Bluetooth wireless or USB connection
- **WristOx Sensor Line** – The WristOx₂ sensors are exclusively designed for use with the WristOx₂, Model 3150



Added Benefits

Versatility – The WristOx₂, 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® 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® sensors)
- nVISION data management software
- 3150SC – PC USB interface cable
- WristOxCC – WristOx₂ carrying case



Available in Two Configurations

WristOx₂ (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	.....1 years
Oxygen Saturation Range (%SpO ₂)	.....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 ₂ ±1 A _{mb})*	.....70 - 100%
Non-motion	.....± 2 digits**
Low perfusion	.....± 2 digits**
Motion	.....± 3 digits***
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 40,000 feet (12,192 meters)
Hyperbaric Pressure	.....Up to 4 atmospheres
Power Requirements	.....Two 1.5V alkaline AAA batteries
Battery Life	
Operating without Bluetooth®	.....48 Hours Minimum
Operating with Bluetooth®**	.....24 Hours Minimum
Storage	.....9 months
Memory	
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

* ± A_{mb} 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.

Authorized Distributor:

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