



## 3100 WristOx™

**Wearable Digital  
Pulse Oximeter**

### **Wearable Oximetry for the Ambulatory Patient**

Nonin's 3100 WristOx™ is a small, lightweight pulse oximeter designed to be worn comfortably on the patient's wrist. Ideal for monitoring daily activities and for overnight studies, the compact design of the WristOx is intended to give the patient greater freedom while improving patient compliance. With impressive battery life, powerful memory, and Nonin's proven accuracy - the WristOx provides a cost effective solution for both long and short term monitoring. Simply slip the WristOx onto your patient's wrist and begin monitoring SpO<sub>2</sub> and Pulse Rate instantly. Right out of the box in the spot-check mode, the WristOx is a powerful tool: to complete the picture, add nVISION® 5.0 software and enable advanced WristOx features.

### **Product Highlights**

- ✓ Small - Fits comfortably on the patient's wrist
- ✓ Versatile - Ideal for short or long term monitoring applications
- ✓ Powerful - 24 hours of battery life and 33 hours of non-volatile memory
- ✓ Easy-to-Use - Simply plug in the sensor and go; large easy-to-read LCD
- ✓ Expandable - Advanced features available when used with nVISION 5.0
- ✓ Durable - 3-year warranty
- ✓ Compatible - Works with Nonin's full line of PureLight™ sensors



✓ *Where People Make the Difference*



## Versatility

The 3100 WristOx is an ideal choice for multiple applications.

### Hospital

Cardiopulmonary Rehabilitation - Six-Minute Walk Assessment,  
Long Term Oxygen Therapy (LTOT) Monitoring  
Sleep Labs - Pre and post PSG Studies, Adult & Pediatric pre-surgical assessments  
Step Down Units - Ambulatory Monitoring

### Physician Office

LTOT Monitoring - Oxygen  
Certification/Recertification,  
Oxygen Titration, Overnight Studies,  
Pre-Surgical Assessments

### Nursing Home

LTOT Monitoring - Patient  
Assessment, Oxygen  
Certification/Recertification,  
Oxygen Titration

## Advanced Features with nVISION 5.0



Combining the WristOx with Nonin's nVISION 5.0 Data Management Software will unleash the full power of your wrist oximeter. nVISION is a Windows®-based software application which provides data analysis and report generation when used with Nonin's memory products. Purchase nVISION with your WristOx and enjoy advanced features such as:

- ✓ Sensor Activation Mode (*sensor connect/disconnect turns WristOx On/Off*)
- ✓ Programmed Mode (*for pre-programming up to 3 separate Start/Stop times*)
- ✓ Set Date, Time and Patient ID
- ✓ Set Patient Data Storage Rate (*for choosing trend resolution*)
- ✓ Choose a Full or Partial Display (*turns off SpO<sub>2</sub> and Pulse Rate display for anxious patients*)
- ✓ Access 33 Hours of Stored Data (*for sleep studies or ambulatory monitoring*)
- ✓ Clear Memory

## Select Your Options

- ✓ 8000J-WO Adult Flex Sensor
- ✓ N-cell Batteries (*box of 24*)
- ✓ Reusable Wristbands (*pk of 10*)
- ✓ 5-inch Reusable Extender Bands (*pk of 10*)
- ✓ Adapter Cable (*for compatibility with all Nonin PureLight sensors*)
- ✓ nVISION 5.0 Data Management Software
- ✓ PC Interface Cable
- ✓ WristOx Carrying Case



Please contact your authorized distributor for more information.

## Specifications

### Oximeter

Oxygen Saturation Range (%SpO <sub>2</sub> )	0% to 100%
Pulse Rate Range	18 to 300 pulses per minute
Displays	
Numeric Displays	3-digit Indicators
Pulse Indicator	Pulse Strength Bargraph
Accuracy	
Blood Oxygen Saturation (%SpO <sub>2</sub> )	70 - 100% ± 2 digits
Pulse Rate	±3%
Temperature	
Operating	+32° to +122°F (+0° to +50°C)
Storage/Transportation	+14° to +122°F (-10° to +50°C)
Humidity	
Operating	10% to 90% noncondensing
Storage/Transportation	10% to 95% noncondensing
Altitude	
Operating Altitude	Up to 40,000 feet
Hyperbaric Pressure	Up to 4 atmospheres
Power Requirements	Two 1.5V alkaline N-cell batteries
Battery Life	
Operating	Minimum 24 hours of continuous operation
Storage	9 months
Dimensions (without sensor or strap)	1.75" wide x 2" high x .75" deep 4.445 cm x 5.08 cm x 1.905 cm
Weight (without batteries or wrist strap)	~.88 ounces (24.95 g)
Memory	
Type	Nonvolatile
Capacity	33 hours @ 4 sec. data storage rate 16 hours @ 2 sec. data storage rate 8 hours @ 1 sec. data storage rate
Warranty	3 years

### Classifications per IEC 60601-1/CSA601.1/UL2601-1

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

Quality systems registered to ISO 9001:1994/EN 46001:1996, ISO 13485:1996, and CE self-marking per Annex II, Clause 3 of EC Directive No. 93/42/EEC concerning medical devices.



Specifications are subject to change without notice.



## Your Partner of Choice



With over 15 years of experience and dedication to the design and support of noninvasive monitoring devices, Nonin has helped many medical professionals meet clinical and economic objectives. Trusted by clinicians worldwide, pulse oximeters in more than 125 countries. Nonin's dedication to technological leadership, precision manufacturing and uncompromised customer support ensures quality products and service you expect.



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