



The world's #1 oximeter

# 9550 Onyx II



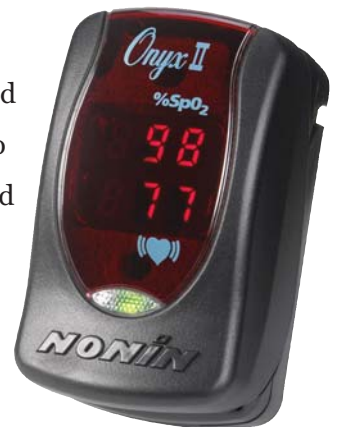
**All-in-one  
fingertip  
pulse oximeter**

## Product Highlights

- » **Simple**  
Automatically turns on for fast, easy spot-checks
- » **Superior Accuracy**  
Trusted by clinicians worldwide
- » **Efficient**  
New turn-off mechanism allows for 2500 spot-checks or 21 hours of continuous use
- » **Versatile**  
Accommodates widest range of finger sizes from pediatric to adult
- » **Enhanced Design**
  - Smaller
  - Enclosed spring
  - Wider LED viewing angle
  - Easy battery access

## Vital Signs Within Reach.™

NONIN, the world leader in fingertip oximetry, has designed years of clinical experience into the Onyx II. The electronics and sensor are incorporated into the world's smallest fingertip oximeter, providing a cost-effective solution for spot-checks and short-term monitoring. Onyx II – not just a new look. Superior performance and unparalleled reliability put vital signs within reach anywhere, anytime.

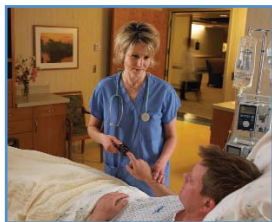


Right. When you need it.™



# Vital Signs Within Reach

The Onyx II is ideal for use in any situation where a fast and accurate reading of blood oxygen saturation and pulse rate is needed. Never search for a pulse oximeter or sensor again.



## Proven Performance

The portability and functionality of the Onyx II makes it a valuable tool in any situation where a fast and accurate reading of blood oxygen saturation and pulse rate is needed.

### Small & Lightweight

Carry the Onyx II anywhere – on a lanyard, in a carrying case or in your pocket. It weighs less than 2 oz.

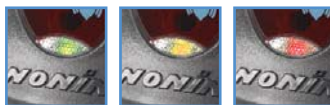


### Large Bright LED Display

SpO<sub>2</sub> and Pulse Rate that can be read from any angle, day or night.

### Pulse Quality Indicator

Brilliant, easy-to-see LED provides a quick and accurate assessment of patient readings.



### Pediatric to Adult Finger Sizes

Accommodates a wide range of finger thicknesses, 0.3 - 1.0 inch (8 mm to 26 mm).



### Automatic On/Off

### Energy Efficient

A new turn-off mechanism allows two AAA batteries to provide approximately 2500 spot-checks or 21 hours of continuous operation.



### Durable & Reliable

Rugged enough to be used in the most demanding situations. The Onyx II has the US Army and US Air Force aeromedical certification for use in helicopters.



## Everything You Need



Standard Package Items



Optional Carrying Cases

## Specifications

<b>Dimensions:</b>	1.27 cm (3.23") W x 2.20 cm (5.59") H x 1.31 cm (3.33") D
<b>Oxygen Saturation Display Range:</b>	0-100% SpO <sub>2</sub>
<b>Pulse Rate Display Range:</b>	18-321 BPM
<b>Oxygen Saturation Declared Accuracy Range (A<sub>rms</sub>*):</b>	70-100% SpO <sub>2</sub> ±2 digits
<b>Low Perfusion Oxygen Saturation Declared Accuracy Range (A<sub>rms</sub>*):</b>	70-100% SpO <sub>2</sub> ±2 digits
<b>Pulse Rate Declared Accuracy Range (A<sub>rms</sub>*):</b>	20-250 BPM ±3 digits
<b>Low Perfusion Pulse Rate Declared Accuracy Range (A<sub>rms</sub>*):</b>	40-240 BPM ±3 digits
<b>Measurement Wavelengths and Output Power**:</b>	
Red:	660 nanometers @ 0.8 mw maximum average
Infrared:	910 nanometers @ 1.2 mw maximum average
<b>Temperature (Operating):</b>	+32° to +104°F / 0° to +40°C
Temperature (Storage/Transportation):	-22° to +122°F / -30° to +50°C
<b>Humidity (Operating):</b>	10-90% non-condensing
Humidity (Storage/Transportation):	10-95% non-condensing
<b>Altitude (Operating):</b>	Up to 40,000 feet / 12,192 meters
(Hyperbaric Pressure):	Up to 4 atmospheres
<b>Battery Life (Continuous):</b>	Approximately 2,500 spot-checks based on 21 hours of operation using two AAA-size alkaline batteries, calculated at 30 seconds per spot-check
<b>Battery Life (Storage):</b>	4 years, minimum

### Classifications per IEC 60601-1 / CSA 601.1 / UL 60601-1:

Degree of Protection:	Type BF-Applied Part
Enclosure Degree of Ingress Protection:	IPX2
Mode of Operation:	Continuous

This product complies with ISO 10993-1

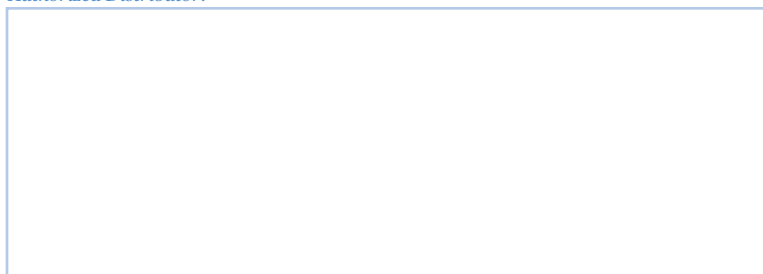
\*± 1 A<sub>rms</sub> represents approximately 68% of measurements

\*\*This information is especially useful for clinicians performing photodynamic therapy

Specifications are subject to change without notice.



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