# Onyx® Vantage 9590



### Accuracy you can act on.

When you need to make decisions quickly, you do not have time to question the accuracy of your finger pulse oximeter. You can trust Nonin Medical's Onyx® Vantage finger pulse oximeter with PureSAT® technology to quickly and accurately capture SpO<sub>2</sub> and pulse rate measurements — even on patients where low perfusion is a challenge. In fact, Onyx is the only finger pulse oximeter brand whose accuracy and performance claims are supported by published peer-reviewed, clinical studies. Accuracy matters, and Onyx Vantage provides accurate data for actionable decision making.



## Onyx<sup>®</sup> Vantage 9590

#### **Product Highlights**

The Onyx is the only finger pulse oximeter with scientifically proven accuracy in the most challenging cases, including patients with low perfusion or dark skin tones.

- **Accurate** Scientifically proven performance in the widest range of patient populations and settings
- **Durable** Protects against dropping and water spills; allows for thousands of uses in the most demanding environments
- Efficient Up to 6,000 spot checks or 36 hours of continual operation on two AAA batteries
- Safe Built in the USA with lead-free and latex-free construction
- **Versatile** One unit works on the widest range of patients from pediatric to larger adult patients
- Warranted Industry-leading 4-year warranty
- Cost Effective Proven accuracy, quality and durability make the Onyx Vantage a smart purchase for the long term

The Onyx Vantage is a valuable tool in any situation where a fast and accurate reading of blood oxygen saturation and pulse rates are needed. The Onyx Vantage finger pulse oximeter is intended for use by health professionals and features:

Clinician-facing, easy-to-read, bright LED - SpO<sub>2</sub> and pulse rate can be read from any angle, in all lighting conditions, day or night.

Three-color pulse quality indicator LED - Green, yellow or red light provides a quick assessment of patient pulse quality.

Accuracy in the widest range of patients and conditions – Only Nonin uses PureSAT® SpO<sub>2</sub> technology – an intelligent pulse-by-pulse filtering to provide accuracy in situations that are challenging such as light-to-dark skinned patients, good-to-low perfusion and more.

#### One product for pediatric to adult patients -

Automatically adjusts to each patient from pediatric to adult quickly and accurately and accommodates a wide range of finger thicknesses: 8 mm to 25.4 mm (0.3" to 1.0").





Proven durability – Onyx Vantage is tough enough to withstand a minimum of 50 drops, is rugged enough to be used in the most demanding situations and exceeds IP32 water ingress testing.

Automatic turn on and off – No on/off button! Just insert finger for fast and easy spot checks. The auto-on/off mechanism allows two AAA batteries to provide up to 6,000 spot checks before being replaced!

Portable – Take the Onyx Vantage anywhere — it is lightweight and weighs less than two ounces.

Available in four colors - Black, Red, Blue and Purple. Complete with lanyard, instructions on CD and two AAA batteries. Optional carrying case and retractable lanyard available.







#### **Specifications**

Dimensions	5.59 cm (2.2") L x 3.3 cm (1.3") W x 3.23 cm (1.27") H
Warranty	4 years
Oxygen Saturation Display Range	0 – 100% SpO <sub>2</sub>
Pulse Rate Display Range	
Oxygen Saturation Declared Accurac Range (A <sub>rms</sub> *)	
Low Perfusion Oxygen Saturation De Accuracy Range (A <sub>rms</sub> *)	
Pulse Rate Declared Accuracy Range (A <sub>rms</sub> *)	20 – 250 BPM ±3 digits
Low Perfusion Pulse Rate Declared A Range (A <sub>rms</sub> *)	
	put Power** 660 nanometers @ 0.8 mw maximum averagi 910 nanometers @ 1.2 mw maximum averagi
. 5	5° to +40°C (+23° to +104°F) 40° to +70°C (-40° to +158°F)
Humidity OperatingStorage/Transportation	
Altitude	
Battery Life	
	Approximately 6,000 spot-checks or 36 hours of continuous operation using new AAA-size alkaline batteries
Storage	
Classifications per IEC 60601-1 / CAN/CS	5A-C22.2 No. 601.1 / UL 60601-1:
Degree of Protection	Type BF-Applied Part Continuous

This product complies with ISO 10993-1, Biological evaluation of medical devices -Part 1: Evaluation and testing.

\*±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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