

Onyx[®] 9500

Fingertip Pulse Oximeter



Pulse Oximetry at Your Fingertips – Anywhere, Anytime

Nonin revolutionized pulse oximetry with the Onyx. Hundreds of thousands of people trust Onyx, the first self-contained digital fingertip pulse oximeter. Incorporating the electronics and sensor into one unit, the Onyx provides a cost-effective solution for spot-checks and short-term monitoring, as well as unparalleled reliability and performance that's easy and affordable.

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Product Highlights

- **Superior Accuracy** – in low perfusion
- **Durable** – Designed for the most demanding environments
- **Simple** – Automatic on/off operation
- **Efficient** – 1,600 spot-checks; 18 hours of continuous use
- **Versatile** – Accommodates widest range of finger sizes from pediatric to adult



The portability and functionality of the Onyx make it a valuable tool in any situation where a fast and accurate reading of blood oxygen saturation and pulse rate are needed. Never search for a pulse oximeter or sensor again.

Small & Lightweight

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

Large Bright LED Display

SpO₂ 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

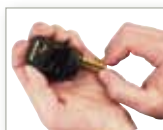
Accommodates a wide range of finger thicknesses, 8 to 26 mm (0.3 to 1.0 inch).

Automatic On/Off

Auto turn on and off with finger insertion and removal.

Energy Efficient

Operates on two AAA alkaline batteries for approximately 1,600 spot-checks or up to 18 hours of continuous operation.



Durable & Reliable

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



Optional Carrying Cases

Choose from a soft carrying case or the Justice Mark 2 Protective Case.



Specifications

Dimensions	5.84 cm (2.3") L x 3.48 cm (1.37") W x 3.23 cm (1.27") H
Warranty	2 years
Oxygen Saturation Display Range	0 – 100% SpO ₂
Pulse Rate Display Range	18 – 321 beats per minute (BPM)
Oxygen Saturation Declared Accuracy Range (A_{rms}*)	70 – 100% SpO ₂ ±2 digits
Low Perfusion Oxygen Saturation Declared Accuracy Range (A_{rms}*)	70 – 100% SpO ₂ ±2 digits
Pulse Rate Declared Accuracy Range (A_{rms}*)	20 – 250 BPM ±3 digits
Low Perfusion Pulse Rate Declared Accuracy Range (A_{rms}*)	40 – 240 BPM ±3 digits
Measurement Wavelengths and Output Power**	
Red	660 nanometers @ 0.8 mw maximum average
Infrared	910 nanometers @ 1.2 mw maximum average
Temperature	
Operating	0° to +40°C (+32° to +104°F)
Storage/Transportation	-30° to +50°C (-22° to +122°F)
Humidity	
Operating	10 – 90% non-condensing
Storage/Transportation	10 – 95% non-condensing
Altitude	
Operating	Up to 12,192 meters (40,000 feet)
Hyperbaric Pressure	Up to 4 atmospheres
Battery Life	
Continuous.....	Approximately 1,600 spot-checks based on 18 hours of operation using two AAA-size alkaline batteries, calculated at 40 seconds per spot-check
Storage	9 months typical, using two AAA-size alkaline batteries

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

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

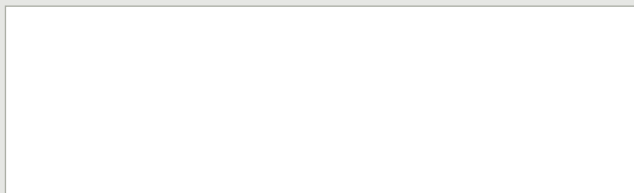
This product complies with ISO 10993-1

*±1 A_{rms} represents approximately 68% of measurements

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

Specifications are subject to change without notice.

Authorized Distributor:



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