



The world's #1 oximeter

9500
Onyx[®]



The original
all-in-one
digital fingertip
pulse oximeter™

Pulse Oximetry at Your Fingertips, Anywhere, Anytime

Product Highlights

- » Proven Accuracy & Durability
Used by clinicians worldwide
- » Simple
Automatic on/off operation
- » Cost Effective
No additional sensors needed
- » Versatile
Accommodates widest range of finger sizes from pediatric to adult
- » Efficient
18 hours of continuous use; 1600 spot-checks

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. Unparalleled reliability and performance that's easy and affordable.



Right. When you need it.™



Pulse Oximetry at Your Fingertips

The Onyx 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 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 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, 0.3 - 1.0 inch (8 mm to 26 mm).

Automatic On/Off

Energy Efficient

Operates on two AAA alkaline batteries for approximately 1600 spot-checks or up to 18 hours of continuous operation.

Durable & Reliable

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



Everything You Need



Optional Carrying Cases

Specifications

Dimensions:	1.4 cm (3.56") W x 2.3 cm (5.84") H x 1.28 cm (3.25") D
Oxygen Saturation Display Range:	0-100% SpO ₂
Pulse Rate Display Range:	18-321 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):	+32° to +104°F / 0° to +40°C
Temperature (Storage/Transportation):	-22° to +122°F / -30° to +50°C
Humidity (Operating):	10-90% non-condensing
Humidity (Storage/Transportation):	10-95% non-condensing
Altitude (Operating):	Up to 40,000 feet / 12,192 meters
(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
Battery Life (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
Enclosure Degree of Ingress Protection:	IPX2
Mode of Operation:	Continuous

This product complies with ISO 10993-1

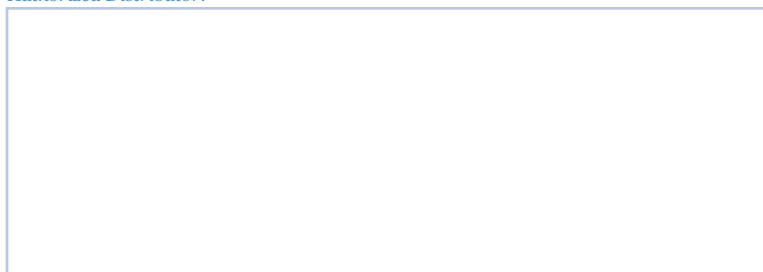
*± 1 A_{rms} represents approximately 68% of measurements

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

Specifications are subject to change without notice.



Authorized Distributor:



Nonin Medical, Inc.
13700 1st Avenue North Plymouth, MN 55441-5443, USA
Phone: +1.763.553.9968 Toll Free: 1.800.356.8874
Fax: +1.763.553.7807 Email: info@nonin.com