*The world's #1 oximeter*

# 9550
## *Onyx® II*

lightweight

## All-in-one fingertip pulse oximeter

reliable

## 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.

## 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*
- ✓ Cost Effective - *No additional sensors needed*
- ✓ Enhanced Design - *Enclosed spring; smaller; wider viewing angle; easy battery access*

accurate

✓*Where People Make the Difference*

**NONIN**®

# Vital Signs Within Reach

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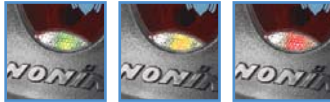
## Proven Performance/ Simple Operation

✓ **Small, Lightweight** - Carry the Onyx II anywhere – on a lanyard, in a carrying case or in your pocket. It weighs only 2 oz.

✓ **Large LED display** - The widest viewing angle available for optimum visibility of patient readings, day or night.

✓ **Battery Door** - Enhanced design for convenient battery access.

✓ **Pulse Quality Indicator** - Brilliant, easy-to-see LED provides a quick and accurate assessment of patient readings.

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

✓ **Pediatric to Adult Finger Sizes** - Accommodates a wide range of finger thicknesses, 0.3-1.0 inch (8 mm to 26 mm).

✓ **Durable** - So rugged and reliable, it can be used in the most demanding environments.

## Everything You Need

*Standard Package Items*

*Optional Carrying Cases*

*Please contact your authorized distributor for more information.*

# Specifications

| | |
|---|---|
| Oxygen Saturation Range (%SpO$_2$) | 0% to 100% |
| Pulse Rate Range | 18 to 321 pulses per minute |
| **Displays** | |
| Numeric Displays | Two 3-digit LEDs, 7 segment LED (light emitting diodes) |
| Pulse Strength | Tricolor LED segments |
| **Measurement Wavelengths** | |
| Red | 660 nanometers |
| Infrared | 910 nanometers |
| **Accuracy** | |
| Blood Oxygen Saturation (%SpO$_2$ ±1 SD)[a] | 70 - 100% ± 2 digits |
| Pulse Rate | 20 - 250 bpm ±3% |
| **Temperature** | |
| Operating | +32° to +122°F (+0° to +40°C) |
| Storage/Transportation | -22° to +122°F (-30° 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 1.5 volt AAA-size batteries |
| **Battery Life** | |
| Operating | Approximately 21 hours of continuous operation[b] |
| Storage | 4 years, minimum[c] |
| Dimensions | 1.31 x 2.22 x 1.27 in. (3.32 x 5.63 x 3.22 cm) |
| Weight | 1.89 oz (53.5 g) with batteries |
| Warranty | 2 years |

## Classifications per IEC 60601-1

| | |
|---|---|
| Degree of Protection | Type BF-Applied Part |

[a]S.D. (Standard Deviation) is a statistical measure; up to 32% of the readings may fall outside these limits.
[b]Using two AAA-size alkaline batteries; based on approximately 2500 spot checks calculated at 30 seconds per spot check.
[c]Using two AAA-size alkaline batteries.

Quality systems registered to ISO 9001:1994/EN 46001:1996, ISO 13485:1996, and CE 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 18 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, countless tests are performed every day on thousands of Nonin 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.*

**NONIN**

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