MightySat™ Rx
Fingertip Pulse Oximeter

Featuring Masimo SET® Measure-through Motion and Low Perfusion™ Pulse Oximetry

Measurements

- SpO2: Oxygen Saturation
- PR: Pulse Rate
- PI: Perfusion Index
- PVI*: Pleth Variability Index

®
In a study comparing the ability of three pulse oximetry technologies to detect hypoxic events, Masimo SET® demonstrated the highest sensitivity and specificity during induced conditions of motion and low perfusion⁴. Masimo SET® pulse oximetry helps clinicians monitor more than 100 million patients a year².

High Resolution Display
- Rotating and adjustable color screen for clear display of all measurements

Plethysmographic Waveform
- Provides depiction of the patient’s pleth

Touchpad
- Allows for easy access of settings and device features

Durable, Lightweight Design
- Small and portable for use in clinical environments

Flexible Pad
- Easily conforms to finger shape for enhanced comfort
- Enables secure application to finger

RESULTS IN TWO EASY STEPS

1. Place sensor on finger
2. Obtain measurements

<table>
<thead>
<tr>
<th>Key Product Features</th>
<th>Masimo MightySat Rx</th>
<th>Nonin Onyx II 9560</th>
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</thead>
<tbody>
<tr>
<td>Parameters: SpO₂ and PR featuring Masimo Signal Extraction Technology (SET®)</td>
<td>Yes</td>
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<tr>
<td>Parameter: Perfusion Index (PI)</td>
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<td>Parameter: Pleth Variability Index (PVI)</td>
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<tr>
<td>App includes: high resolution pleth waveform, smart tone audible feature, and trending functionality</td>
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<tr>
<td>Customizable settings with use of touchpad</td>
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<td>Flexible finger pad</td>
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Unique Parameters and Indicators

Perfusion Index (PI)
The ratio of the pulsatile blood flow to the non-pulsatile blood in peripheral tissue used to measure peripheral perfusion.

Pleth Variability Index (PVI)
A measure of the dynamic changes in the perfusion index (PI) that occur during the respiratory cycle.

Signal IQ (SIQ)
Located under the plethysmographic waveform. The height of the vertical line provides an assessment of the confidence in the SpO₂ value displayed.

Plethysmographic (Pleth) Waveform
Real-time pulse pressure waveform.

FREE DOWNLOADABLE MASIMO PROFESSIONAL HEALTH APP*
Display parameter data to a compatible smart device with Bluetooth® LE enabled models. Measurements can also integrate into Apple’s Health app.**

Example of data trend over 6 minutes

* The app is downloadable from the App store® for iOS devices or Google Play™ store for select Android devices. For an up-to-date list of compatible smart devices, see: www.masimoprofessionalhealth.com

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Comparing Technologies

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Example of data trend over 6 minutes

Kit includes: MightySat Rx device, lanyard, batteries, and carrying case

High resolution view of the pleth waveform when viewed on a smart device.

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Plethysmographic (Pleth) Waveform
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MightySat Rx Models

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<tr>
<th>Measurement</th>
<th>MightySat Rx P/N 9709</th>
<th>MightySat Rx with Bluetooth LE P/N 9809</th>
<th>MightySat Rx with Bluetooth LE &amp; PVI P/N 9909</th>
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<tr>
<td>Masimo SET® Measure-through Motion and Low Perfusion™ Technology</td>
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<td>•</td>
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<tr>
<td>SpO₂ (Oxygen Saturation)</td>
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<td>•</td>
<td>•</td>
</tr>
<tr>
<td>PR (Pulse Rate)</td>
<td>•</td>
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<td>•</td>
</tr>
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<td>•</td>
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<tr>
<td>PVI (Pleth Variability Index)</td>
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<tr>
<td>Display</td>
<td>•</td>
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<tr>
<td>Pleth Waveform</td>
<td>•</td>
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<tr>
<td>3.3 cm Color Display</td>
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<tr>
<td>Rotational Screen</td>
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<tr>
<td>Bluetooth LE</td>
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<tr>
<td>Compatible with Masimo Professional Health App*</td>
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MightySat Rx Specifications

**DISPLAY RANGE**
- Functional Oxygen Saturation (SpO₂): 0-100%
- Pulse Rate (PR): 25-240 bpm
- Perfusion Index (PI): 0.02-20%
- Pleth Variability Index (PVI): 0-100%

**ACCURACY – (ARMS)3**
- SpO₂ Accuracy Range: 70-100%
- No Motion: 2%
- Motion: 3%
- Low Perfusion: 2%
- PR Accuracy Range: 25-240 bpm
- No Motion: 3 bpm
- Motion: 5 bpm
- Low Perfusion: 3 bpm

**PATIENT WEIGHT**
- Adult and Pediatric Patients: >30 kg (66 lbs)

**MEASUREMENT RESOLUTION**
- SpO₂: 1%
- PR: 1 bpm
- Data Display %SpO₂, PR, PI, PVI, Signal IQ, and Pleth Waveform: 1 bpm

**ENVIRONMENTAL**
- Operating Temperature: 5 to 40°C (41 to 104°F)
- Storage Temperature: -40 to 70°C (-40 to 158°F)
- Operating Humidity: 10 to 95%, non-condensing

**BATTERY**
- Operating: Two 1.5 Volt AAA Batteries
- Battery Life: Approximately 1800 spot checks

**COMMUNICATION**
- Radio Modes: Bluetooth LE
- USA: FCC ID: VKF-MSAT01A
- Canada: IC: 7362A-MSAT01A
- Europe: EN 300 328

**COMPLIANCE**
- CE Marked
- Conformity to EU MDD 93/42/EC
- UL 60601-1, CSA C22.2 No. 601.1, IEC 60601-1, EN 60601-1, EN 60601-1-2, Class B
- Pulse Oximeter: ISO 80601-2-61

**PHYSICAL CHARACTERISTICS**
- Weight with Battery: 0.16 lbs (73 g)
- Dimensions: 2.9” x 1.6” x 1.2” (7.4 cm x 4.1 cm x 3.0 cm)

**ALARMS**
- No alarms on this product

**CLASSIFICATION PER IEC 60601-1**
- EMC Classification: Class B
- Degree of Protection: Type BF-Applied Part
- Enclosure Degree of Ingress Protection: IP23
- Mode of Operation: Continuous

**Radio Modes**
- Bluetooth LE

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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