

MightySat[®] Rx

Fingertip Pulse Oximeter with Touchscreen

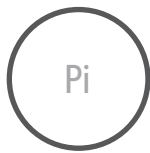
Powered by clinically proven Masimo Signal Extraction Technology[®] (SET[®]), MightySat Rx puts easy-to-use, wireless spot-check pulse oximetry at your fingertips.



Oxygen Saturation*



Pulse Rate*



Perfusion Index



Pleth Variability Index



Respiration Rate from the Pleth



Masimo SET®: Trusted by Leading Hospitals Worldwide

- > Overcomes the challenges of low perfusion and motion artifact that limit conventional pulse oximetry
- > Helps clinicians monitor more than 200 million patients a year¹

Featuring Respiration Rate from the Pleth (RRp)

- > May be used to measure respiration rate in the clinic, during emergency medical services, and at home
- > Provides a wide measurement range of 4 to 70 breaths per minute

Designed for Performance

High-Resolution Display

- Rotating and adjustable color screen for real-time display of all measurements

Touchscreen

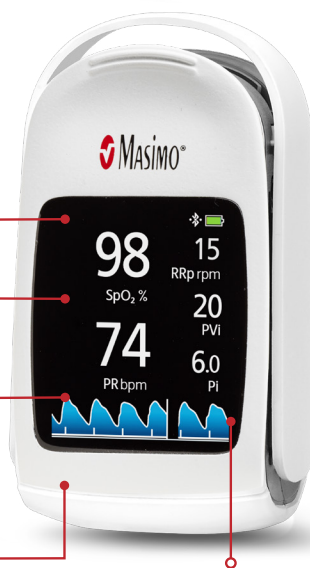
- Provides easy access to settings and device features

Plethysmographic Waveform

- Displays the patient's pleth waveform in high resolution

Durable, Lightweight Design

- For use in clinical and home-care environments



Signal I.Q.® (SIQ™)

- An indicator of the SpO2 measurement confidence

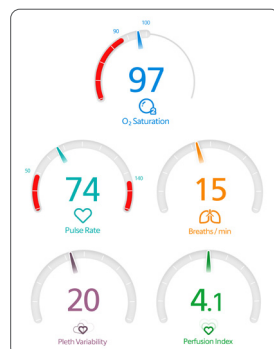


Flexible Pad

- Easily conforms to finger shape for enhanced comfort
- Enables secure application to finger to minimize external interference

Seamless App Integration[†]

Display parameter data on a compatible smart device with the Bluetooth® LE-enabled model.



VIEW measurements on a compatible smart device.[†]

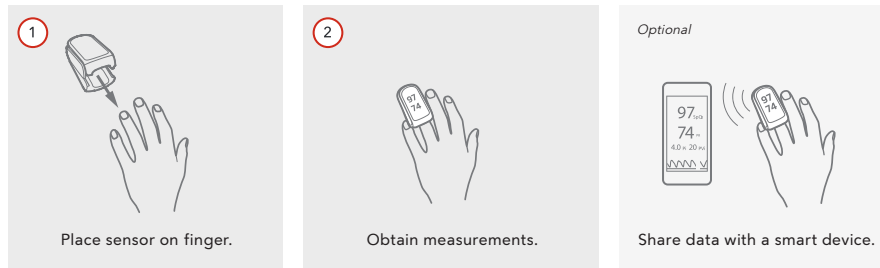


SHARE captured data via email.

Comparison at a Glance

	Masimo MightySat Rx	Nonin® Onyx® II 9560
Key Product Features		
Parameters: SpO2 and PR featuring Masimo Measure-through Motion and Low Perfusion™ technology*	✓	No
Parameter: Perfusion Index (Pi)	✓	No
Parameter: Respiration Rate (RRp)	✓	No
Parameter: Pleth Variability Index (PVi)	✓	No
Pleth Waveform	✓	No
Rotating color touchscreen for real-time display of all measurements	✓	No
App includes: high-resolution pleth waveform, smart tone audible feature, and trending functionality	✓	No
Customizable settings using touchscreen	✓	No

Results in Two Easy Steps



The MightySat Rx kit includes the device, lanyard, batteries, and drawstring pouch.



Unique Parameters and Indicators

Signal I.Q. (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 graphical representation of changes in the volume of arterial blood with each pulse.

Perfusion Index (Pi)

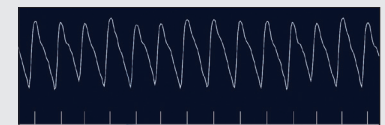
The ratio of the pulsatile blood flow to the non-pulsatile blood in peripheral tissue used to measure peripheral perfusion.

Pleth Variability Index (PVi)

A measure of the dynamic changes in the perfusion index (Pi) that occur during the respiratory cycle.

Respiration Rate from the Pleth (RRp)

A measure of respiration rate based on changes in the plethysmographic waveform. The unit of measure is respirations per minute (RPM).



View the high-resolution pleth waveform on a smart device.

MightySat Rx Models

	MightySat Rx with Touchscreen P/N 95166	MightySat Rx with Touchscreen and Bluetooth LE P/N 95162
Masimo SET[®] Measure-through Motion and Low Perfusion Technology	•	•
Measurements		
SpO ₂ (Oxygen Saturation)*	•	•
PR (Pulse Rate)*	•	•
Pi (Perfusion Index)	•	•
RRp (Respiration Rate)	•	•
PVi (Pleth Variability Index)	•	•
Display		
Pleth Waveform	•	•
150-Degree Viewing Angle	•	•
Rotational Touchscreen	•	•
Bluetooth LE		•
Compatible with Masimo SafetyNet[®] App[†]		•

MightySat Rx Specifications

DISPLAY RANGE	PHYSICAL CHARACTERISTICS
Functional Oxygen Saturation (SpO ₂) 0-100%	Weight with Battery [‡] 73 g (0.16 lbs)
Pulse Rate (PR) 25-240 bpm	Dimensions 2.9" x 1.6" x 1.3" (7.4 cm x 4.1 cm x 3.3 cm)
Perfusion Index (Pi) 0.02-20%	ALARMS
Respiration Rate (RRp) 4-70 rpm	No alarms on this product
Pleth Variability Index (PVi) 0-100%	CLASSIFICATION PER IEC 60601-1
ACCURACY - (ARMS)[†]	EMC Classification Class B
Oxygen Saturation (%SpO ₂) Accuracy Range 70-100%	Degree of Protection Type BF-Applied Part
No Motion2%	Enclosure Degree of Ingress Protection IP23
Motion3%	Mode of Operation Continuous Operation
Low Perfusion2%	COMPLIANCE
Pulse Rate (PR) Accuracy Range 25-240 bpm	Safety ANSI/AAMI 60601-1, CSA C22.2 No. 60601-1, IEC 60601-1, EN 60601-1
No Motion3 bpm	EMC EN 60601-1-2, Class B
Motion5 bpm	Pulse Oximeter ISO 80601-2-61
Low Perfusion3 bpm	BATTERY
Respiration Rate (RRp) Accuracy Range [¶] 4-70 rpm	Operating Two 1.5 Volt AAA Batteries
RRp ARMS ± Mean Error 3 rpm ± 1 rpm	Battery Approximately 1800 spot-checks [§]
PATIENT WEIGHT	COMMUNICATION
Adult and Pediatric Patients >30 kg (66 lbs)	Radio Modes Bluetooth LE
MEASUREMENT RESOLUTION	Communication Compliance
Oxygen Saturation (%SpO ₂)1%	USA USA FCC ID: VKF-MSAT02A
Pulse Rate (PR)1 bpm	FCC part 15.247
Pleth Variability Index (PVi)1%	Canada IC: 7362A-MSAT02A
Respiration Rate (RRp) 1 rpm	RSS-210
ENVIRONMENTAL	Europe EN 300 328
Operating Temperature5 to 40° C (41 to 104° F)	EN 302 489-17
Storage Temperature -40 to 70° C (-40 to 158° F)	Japan Item 19 of Article 2-1
Operating Humidity10 to 95%, non-condensing	South Korea KC ID:R-R-VKF-MSAT2 KC
Atmospheric Pressure 540 to 1060 mBar	

* Masimo SET[®] Measure-through Motion technology includes SpO₂ and PR. [†] The Masimo SafetyNet 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.masimo.com/professional-health/ [‡] ARMS accuracy is a statistical calculation of the difference between device measurements and reference measurements. Approximately two-thirds of the device measurements fell within ± ARMS of the reference measurements in a controlled study. [§] RRp performance was validated across the entire range of 4-70 rpm through bench testing. [¶] Weight is dependent on batteries used. [§] Based upon 15 hours of operation with screen brightness set to 50% and a spot-check of 30 seconds.

[†] Estimate: Masimo data on file.

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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