MightySat™ Rx Fingertip Pulse Oximeter

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

Pulse Oximetry Oxygen Saturation* PR Pulse Rate* Pi Perfusion Index PVi* Pleth Variability Index RRp* Respiration Rate from the Pleth



Masimo SET®: The Choice of Leading Hospitals Worldwide

- > Masimo SET* overcomes the challenges of low perfusion and motion artifact that limit conventional pulse oximetry.
- > Masimo SET* pulse oximetry helps clinicians monitor more than 100 million patients a year.1

Respiration Rate from the Pleth (RRp)

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

Designed for Performance

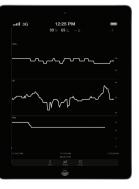


Free Downloadable Masimo Professional Health App²

Display parameter data on a compatible smart device with Bluetooth® LE enabled models. Measurements can also integrate into Apple's Health app.³



VIEW measurements on a compatible smart device²



TREND measurements over time, view graphically



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 Signal Extraction Technology* (SET*)	✓	No
Parameter: Perfusion Index (Pi)	✓	No
Parameter: Respiration Rate (RRp)	✓	No
Parameter: Pleth Variability Index (PVi)	✓	No
Pleth Waveform	✓	No
Rotating and adjustable color screen for real-time display of all measurements	✓	No
App includes: high-resolution pleth waveform, smart tone audible feature, and trending functionality	✓	No
Customizable settings with use of touchpad	✓	No

Results in Two Easy Steps



Optional Bluetooth LE capability



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



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 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).





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

MightySat Rx Models	MightySat Rx	MightySat Rx with Bluetooth LE	MightySat Rx with Bluetooth LE, RRp & PVi	MightySat Rx with PVi & RRp
	P/N 9709	P/N 9809	P/N 9909 P/N 9942	P/N 9941
Masimo SET* Measure-through Motion and Low Perfusion Technology	•	•	•	•
Measurements SpO2 (Oxygen Saturation)	•	•	•	•
PR (Pulse Rate)	•	•	•	•
Pi (Perfusion Index)	•	•	•	•
RRp (Respiration Rate)			•	•
PVi (Pleth Variability Index)			•	•
Display Pleth Waveform	•	•	•	•
150-Degree Viewing Angle	•	•	•	•
Rotational Screen	•	•	•	•
Bluetooth LE		•	•	
Compatible with Masimo Professional Health App ²		•	•	
Four Year Limited Warranty	•	•	•	•
Device Color Available			□ P/N 9909 ■ P/N 9942	•

MightySat Rx Specifications

DISPLAY RANGE	PHYSICAL CHARACTERISTICS	
Functional Oxygen Saturation (SpO2) 0-100 Pulse Rate (PR) 25-240 bp Perfusion Index (Pi) 0.02-20	n Dimensions	
Respiration Rate (RRp). 4–70 rpi Pleth Variability Index (PVi) 0–100 ACCURACY - (A _{RMS})*	No alarms on this product	
Oxygen Saturation (%SpO2) Accuracy Range 70-100 No Motion .2 Motion .3 Low Perfusion .2	Enclosure Degree of Ingress Protection	
Pulse Rate (PR) Accuracy Range	COMPLIANCE	
No Motion .3 bpi Motion .5 bpi Low Perfusion .3 bpi Respiration Rate (RRp) Accuracy Range⁵ .4–70 rpi RRp .3 rpi RRp Mean Error* ± 1 rpi	Safety	
PATIENT WEIGHT	Operating	
Adult and Pediatric Patients		
MEASUREMENT RESOLUTION	Radio Modes	
Oxygen Saturation (%SpO2) 1 Pulse Rate (PR) 1 bpi Pleth Variability Index (PVi) 1 Respiration Rate (RRp) 1 rpi	Canada	
ENVIRONMENTAL	EN 302 489-17	
Operating Temperature		

¹ Estimate: Masimo data on file. ² 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. masimo.com/professional-health/³ Apple is a registered trademark of Apple Inc. registered in the U.S. and other countries. ⁴ 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. ⁴ RRp performance was validated across the entire range of 4-70 rpm through bench testing. ⁴ Weight is dependent on batteries used. ¹ Based upon 15 hours of operation with screen brightness set to 50% and a spot-check of 30 seconds. ★ RRp accuracy is presented with ARMS and mean error.

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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