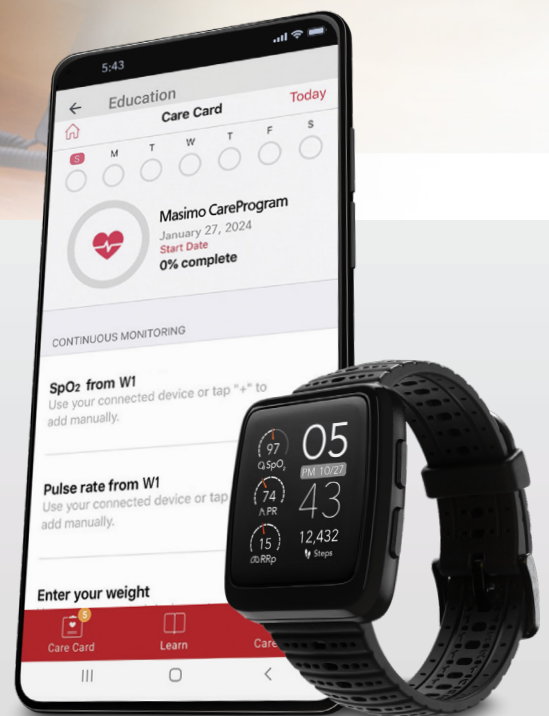


Masimo W1[®]

Continuous Patient Data
in a Medical Watch

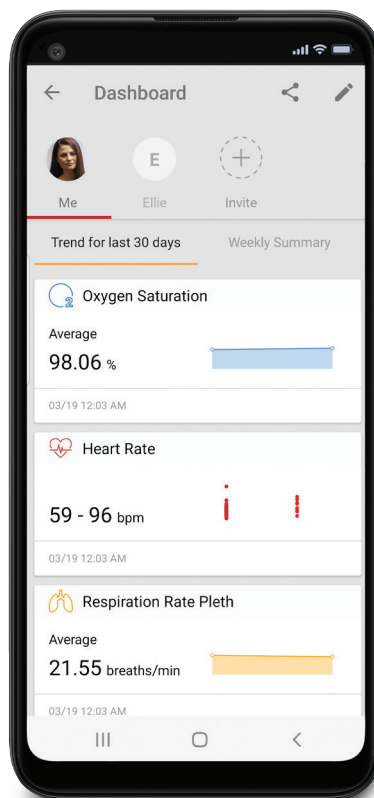
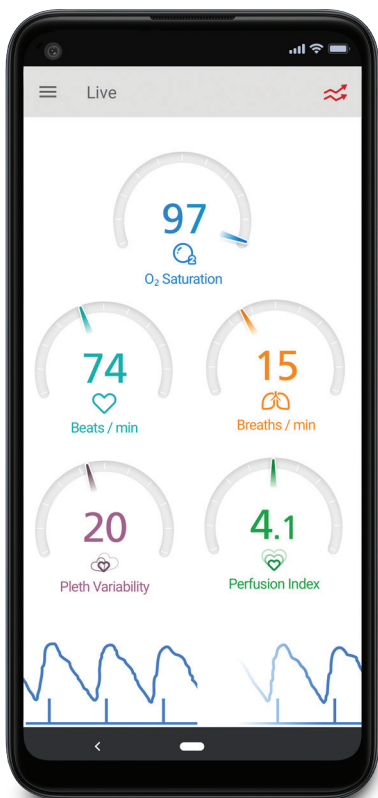
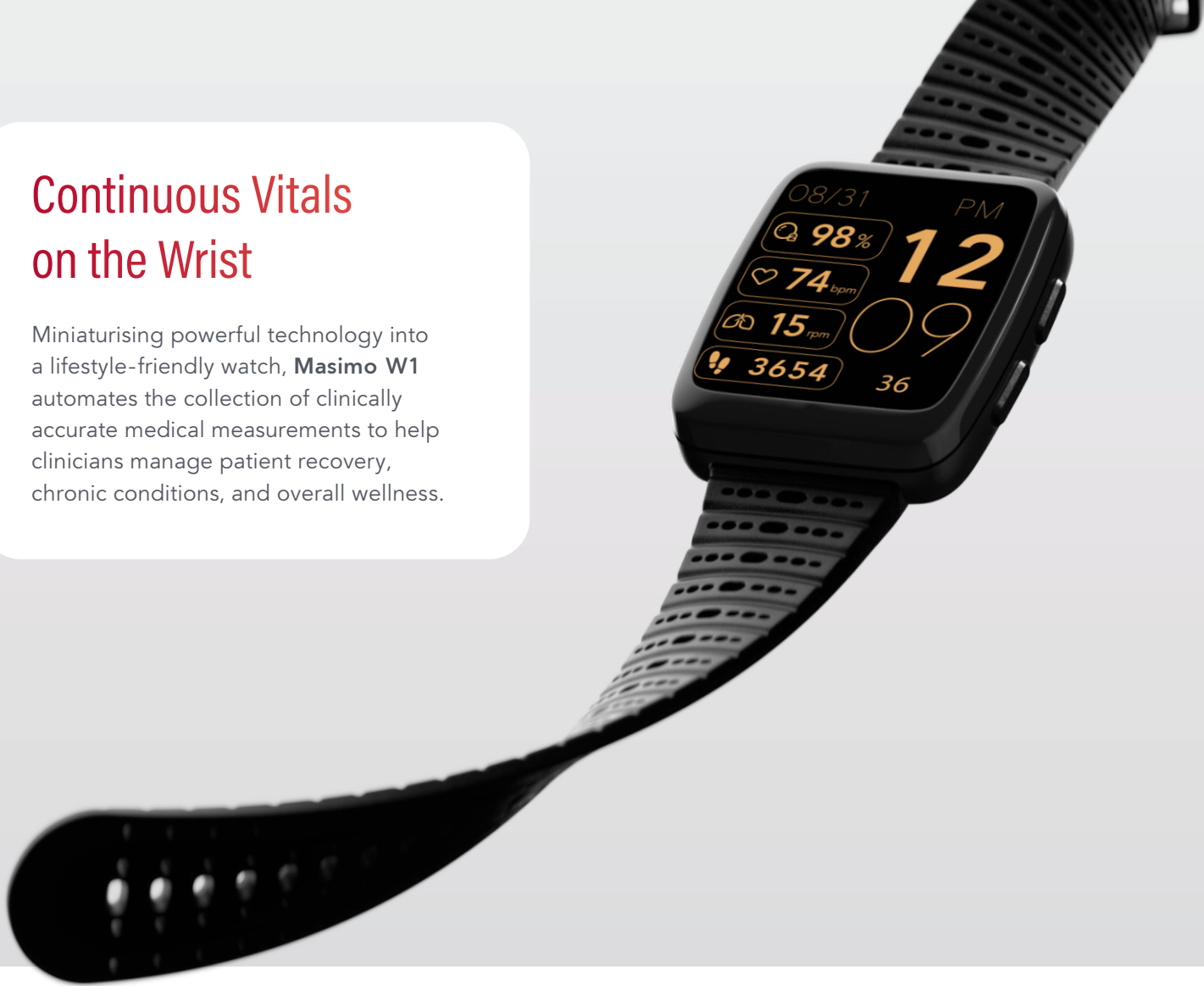


Masimo W1 is a comfortable, lifestyle-friendly continuous medical watch that pairs with the Masimo SafetyNet[®] platform for a true telehealth experience—empowering clinicians to make timely clinical decisions and stay connected to patients across the continuum of care.



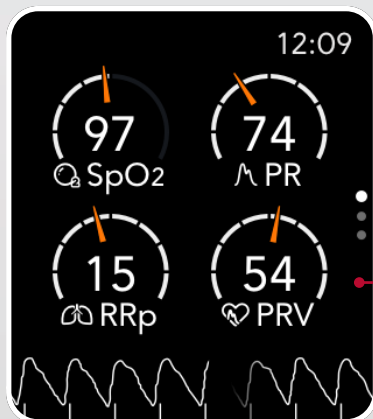
Continuous Vitals on the Wrist

Miniaturising powerful technology into a lifestyle-friendly watch, **Masimo W1** automates the collection of clinically accurate medical measurements to help clinicians manage patient recovery, chronic conditions, and overall wellness.



Pair the watch with the Masimo SafetyNet app to view live trends, check in with patients, and transfer their data to a secure, web-based portal.

Comprehensive Insights



Oxygen Saturation (SpO₂)

Estimation of relative amount of oxygen available in the blood flowing to the tissues based the ratio of the amount of light absorbed by oxygenated and deoxygenated hemoglobin by different wavelengths of light.



Heart Rate (HR)

Estimation of the number of heart beats per minute (BPM) based on the electrical signals detected in the ECG waveform.



Pulse Rate (PR)

Estimation of the number of times blood is pushed through the body by the heart per minute based on the pulsatile light absorption changes used for determining SpO₂.



Respiration Rate Plethmography (RRp[®])

Estimation of the number of times the lungs expand and contract per minute based on cyclic variations in the photoplethysmogram (i.e., pleth or PPG).



Atrial Fibrillation (AFib)

An irregular heartbeat classification made on the ECG waveform based on the detection of electrical signals in the two upper chambers of the atria firing rapidly at the same time.



Perfusion Index (Pi)

A calculation of the relative strength of the pulsatile signal used for SpO₂ and Pulse Rate, Pi increases with better blood circulation. SpO₂ values may be more reliable when Pi value is higher.



Pleth Variability Index (PVi[®])

Calculation of the dynamic changes in Perfusion Index (Pi) over a time interval where one or more complete respiratory cycles have occurred.



Pulse Rate Variability (PRV)

Calculation of the variation of the amount of time between pulses monitored during the pulse rate estimation.



Heart Rate Variability (HRV)

Calculation of the variation of the amount of time between heartbeats monitored during the ECG HR estimation.

Expand and scale telemonitoring to support hospitals for all use cases:

- ✓ Chronic care
- ✓ Hospital-to-home
- ✓ Hospital-at-home



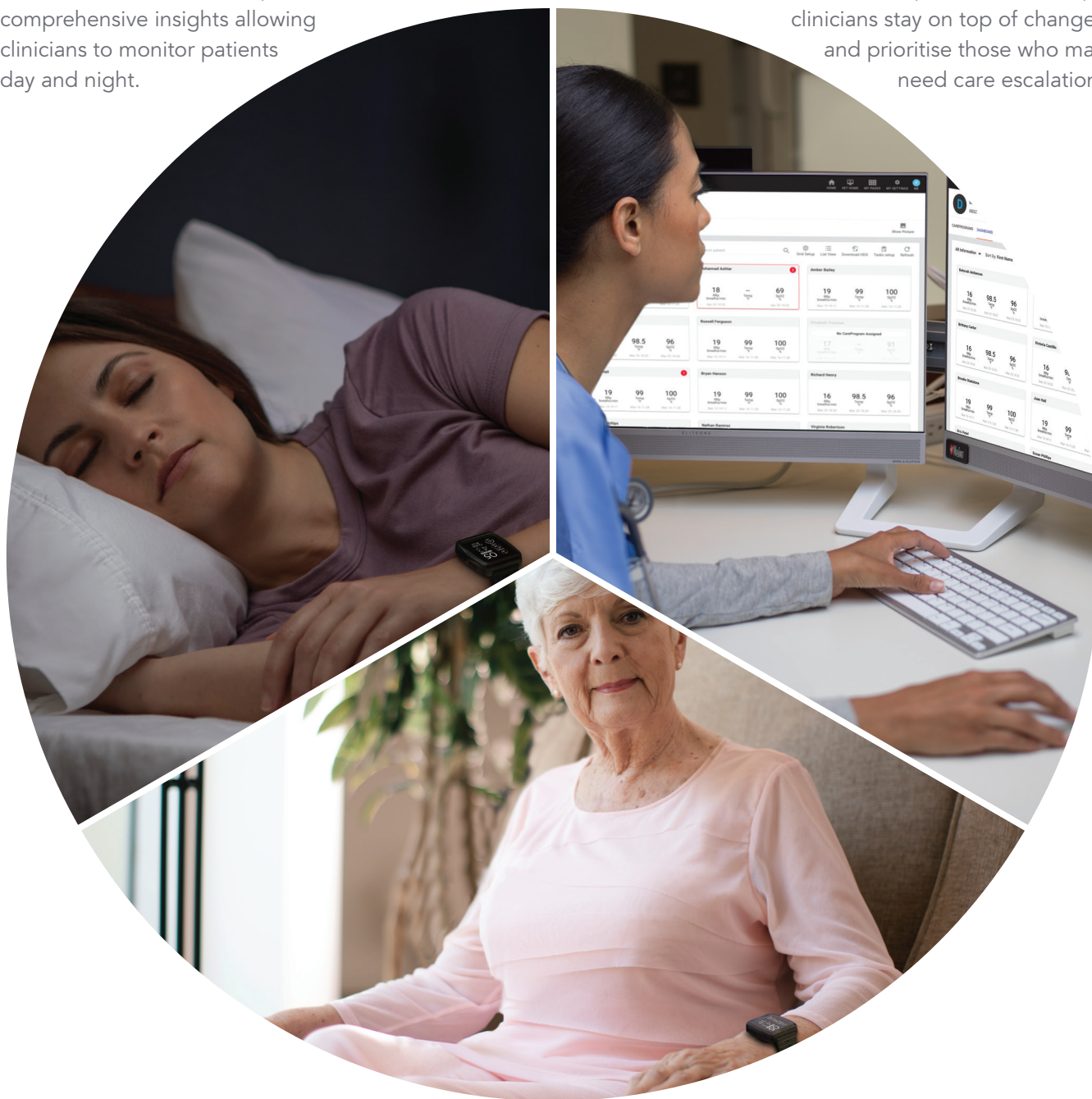
Seamlessly Manage Patient Care and Recovery

Watch Over Patients Day and Night

True continuous data flow provides comprehensive insights allowing clinicians to monitor patients day and night.

With Data You Can Rely On

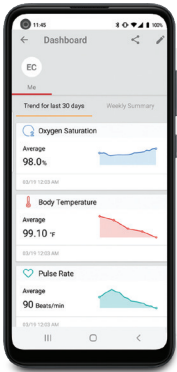
Access to patients' data helps clinicians stay on top of changes and prioritise those who may need care escalation.



Track Progress

Stay connected to pre- and post-surgical patients requiring intensive short-term care management as well as chronic care patients who may need long-term care management, through the lifetime of the condition.

Integrate with Masimo SafetyNet



✓ See live data and trends with the Masimo SafetyNet app



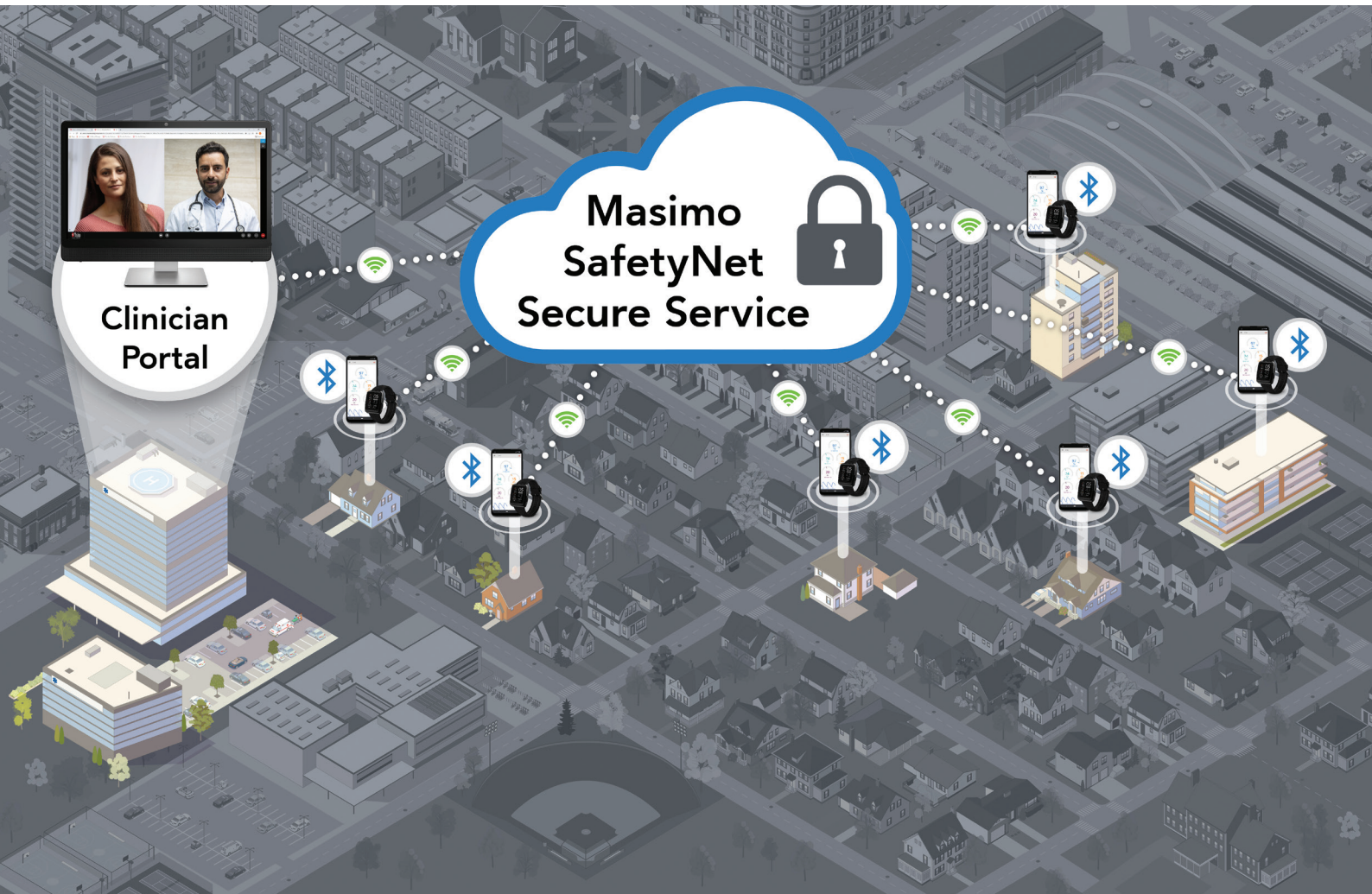
✓ Help patients stay on track with customisable CarePrograms™



✓ Analyse patient data, alert notifications, and CareProgram responses on the Clinician Portal



✓ Available for Android and iOS devices



From the Innovators of Trusted Masimo SET® Pulse Oximetry

Inspired by the same technology that revolutionised pulse oximetry over 30 years ago—miniaturised to capture medical data from the wrist.

Masimo SET®

- > Used to monitor over 200 million patients each year¹
- > Shown in over 100 studies to outperform other pulse oximetry technologies²

What's Included

Masimo SafetyNet System	Free downloadable app Customisable Care Programs Clinician Portal
Masimo W1	Watch module Wireless charging cable Setup instructions

Masimo W1 Physical Specifications

Power	Li-ion rechargeable battery Approximately 22 hours of operation** Supports the ability to charge battery from 0 to 80% of battery capacity in <3 hours Wireless charging
IP24	Protected from ingress of objects larger than 12 millimeters, water spray and splashes from any direction.
Communication	Bluetooth Low Energy for Masimo SafetyNet smartphone app pairing
Screen	40 mm touch watch face Depth (D): 1.57 cm 16-bit colour Corning Gorilla Glass 3
Weight	34g (without wristband) 54g (with wristband)
Dimensions (with wristband)	Width (W): 3.76 cm Length (L): 26.7 cm

Measurement Specifications

Oxygen Saturation (%SpO ₂) Accuracy Range	70 to 100%
Display range	0 to 100%
Accuracy Adults (No Motion)	±.2% A _{RMS} *
Accuracy Adults (Low Perfusion)	±.2% A _{RMS} *
Pulse Rate (PR) Accuracy Range	25 to 240 bpm
Display range	25 to 240 bpm
Accuracy Adults (No Motion)	±.3 bpm A _{RMS} *
Electrocardiograph (ECG)	One lead waveform, 30-second recording
Amplitude Range	≥ 10 mV
Resolution	≤ 1 µV
Storage Frequency	500 Hz
Display Sweep Speed	≥ 25 mm/sec
ECG Classification	Normal Sinus Rhythm High Heart Rate (when HR is >100 bpm) Low Heart Rate (when HR is <50 bpm) Atrial Fibrillation (AFIB) detection
Heart Rate (HR) from ECG	Display range 25 to 240 bpm Accuracy Adults ± 5 bpm A _{RMS} * or 10%, whichever is greater
Pulse Rate Variability (PRV)	Display range 0 to 150 ms
Heart Rate Variability (HRV) from ECG	Display range 0 to 150 ms
Respiration Rate from Pleth (RRp) Accuracy Range	4 to 70 rpm
Display range	4 to 70 rpm
Accuracy Adults (No Motion)	±.3 rpm A _{RMS} *
Pleth Variability Index (PVi)	Display range 0 to 100
Perfusion Index (Pi)	Display range 0.02 to 20%

* A_{RMS} 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

Learn More:



Manufacturer: Masimo Corporation
52 Discovery
Irvine, CA 92618, USA

Tel.: 1-949-297-7000
Fax.: 1-949-297-7001

¹ Estimate: Masimo data on file. ² Published clinical studies on pulse oximetry and the benefits of Masimo SET® can be found on our website at <http://www.masimo.com>. Comparative studies include independent and objective studies which are comprised of abstracts presented at scientific meetings and peer-reviewed journal articles.

** This represents approximate run time with Screen on-time: 0%, Bluetooth connection On, Active Measurement, SpO₂ and Heart Rate (Continuous Vitals On), Heart Rate (10 Spot-Check measurements), using a fully charged battery

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