

# Masimo W1™

Continuous Patient Monitoring Watch

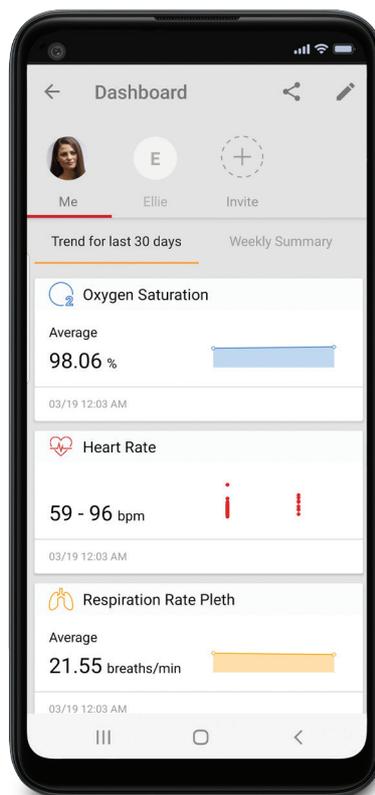
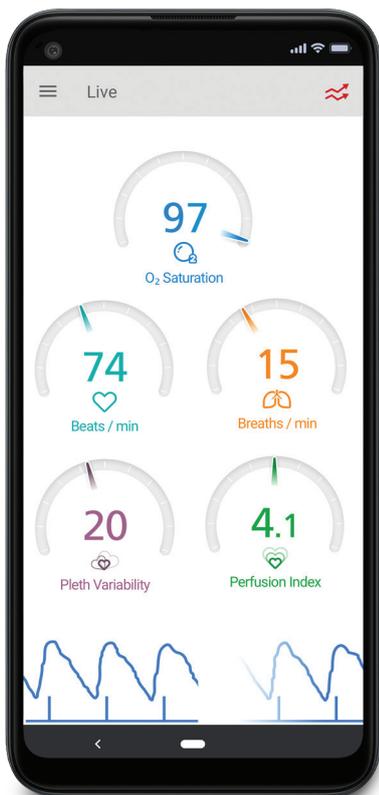


**Masimo W1** is a comfortable, lifestyle-friendly continuous monitoring device that pairs with the Masimo SafetyNet® platform for a true telehealth experience—empowering clinicians to make timely clinical decisions and stay connected to patients across the continuum of care.



## Continuous Vitals on the Wrist

Miniaturising powerful technology into a lifestyle-friendly watch, **Masimo W1** automates the collection of clinically accurate health 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 (SpO<sub>2</sub>)

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 SpO<sub>2</sub>.



## Respiration Rate Plethmography (RRp<sup>®</sup>)

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 SpO<sub>2</sub> and Pulse Rate, Pi increases with better blood circulation. SpO<sub>2</sub> values may be more reliable when Pi value is higher.



## Pleth Variability Index (PVi<sup>®</sup>)

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



## Pule Rate Variability (PRV)

Calculation of the variation of the amount of time between pulses monitored during the pulse rate 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 24/7 continuous monitoring tracks patients' health parameters day and night to provide comprehensive insights.

## With Data You Can Rely On

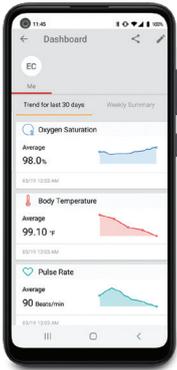
Immediate access to patients' health data helps clinicians stay on top of changes and prioritise those who may need care escalation.



## Track Progress

Stay connected to pre- and post-surgical patients requiring intensive short-term monitoring, as well as chronic care patients who may need long-term monitoring, 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 health data from the wrist.

## Masimo SET®

- > Used to monitor over 200 million patients each year<sup>1</sup>
- > Shown in over 100 studies to outperform other pulse oximetry technologies<sup>2</sup>

### What's Included

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

### Masimo W1 Physical Specifications

Power	Li-ion rechargeable battery Up to 24 hours of operation* Supports the ability to charge battery from 0 to 80% of battery capacity in <3 hours Wireless charging
Ingress Protection	Protection against water splashing from any direction (IP24)
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) 54 g (with wristband)
Dimensions (with wristband)	Width (W): 3.76 cm Length(L): 26.7 cm

### Measurement Specifications

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

Learn More:



<sup>1</sup>Estimate: Masimo data on file. <sup>2</sup>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, SpO<sub>2</sub> and Heart Rate (Continuous Vitals On), Heart Rate (10 Spot-Check measurements), using a fully charged battery