

Radius PPG[®]

Tetherless Pulse Oximetry Powered by Clinically Proven
Masimo SET[®] Measure-through Motion Technology



Available for all patients, including adults, children, infants, and neonates.

Radius PPG is an innovative, tetherless pulse oximetry solution that offers multiple benefits for patients and caregivers alike—providing reliable continuous monitoring without the challenges of a cabled connection.

Current Challenges

Continuous monitoring and movement are both important parts of patient care: continuous monitoring helps keep clinicians informed about patient status, and patient movement has been shown to be a key factor in more rapid patient recovery.^{1,2} However, traditional tethered monitors force care teams to choose between the two.

Radius PPG Tetherless Pulse Oximetry

Lightweight, Tetherless Sensor

Gives patients the freedom and comfort to move while being securely and continuously monitored

Up to 100-foot Bluetooth® Range from Host Monitor

Allows clinicians to stay connected to their patients remotely with up to 96-hours of data synchronisation once the patient is back in range

4-day Battery Life

Eco-friendly batteries allow the sensor to be disposed of as non-hazardous waste and last for up to 4 days of continuous use



Patient data is collected and sent via Bluetooth for display on a host device.



Oxygen Saturation



Pulse Rate



Perfusion Index



Pleth Variability Index



Respiration Rate from the Pleth

¹ Needham D et al. *Arch Phys Med Rehab.* 2010;91(4):536-542. ² Ronnenbaum J et al. *J Acute Care Phys Ther.* 2012;3(2):204-210.

A Streamlined Solution for Continuous Patient Monitoring

Improved patient comfort and convenience

- > Tetherless design allows patients to move freely.
- > Parents and caregivers can hold infants unencumbered by cables—without the risk of tugging on fragile skin.
- > Clinicians can recheck sensor sites freely and adjust for patient comfort using convenient replacement tapes.

Enhanced clinician workflow and efficiency

- > Patients can leave their bed without needing to disconnect and reconnect to a device.
- > Potentially reduces “sensor off” alarms.
- > Clinicians can maximise sensor life by replacing only the adhesive component.
- > Alarms are provided on the connected host device and—in conjunction with surveillance monitoring—may be escalated to central work stations.

Reduced risk of cross-contamination

- > Care teams can monitor oxygenation and respiration even when physically apart.
- > Single-patient-use sensors connect seamlessly with a reusable chip.



Powered by Clinically Proven Masimo SET® Technology

Masimo SET® measure-through motion technology is estimated to be used on more than 200 million patients in leading hospitals and other healthcare settings around the world.

Since its introduction in 1995, Masimo SET® has been shown in over 100 independent and objective studies to outperform other pulse oximetry technologies.³

In conjunction with surveillance monitoring, multiple studies over 10 years at Dartmouth-Hitchcock Medical Center have shown improved clinical outcomes and reduced cost of care with the implementation of SET® pulse oximetry.

0 preventable deaths or brain damage due to opioid-induced respiratory depression in monitored patients over 10 years⁴

↓50% approximate reduction in ICU transfers⁵

↓60% approximate reduction in rapid response team activations⁵

↓\$1.48M approximate annual cost savings⁶

³ 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. ⁴ McGrath S et al. *J Patient Safety*. 2020;00(00):1-5. ⁵ McGrath S, et al. *The Joint Commission Journal on Quality and Patient Safety*. 2016;42(7):293-302. ⁶ Taenzer et. al. *Anesthesia Patient Safety Foundation Newsletter*. Spring-Summer 2012.

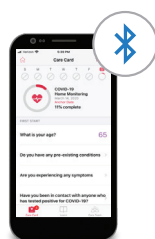
Flexible Compatibility

Customisable connectivity options simplify transfers between care areas and allow clinicians to receive remote notifications about their patient's status.



Masimo Bedside Devices

Compatible with versatile bedside devices that integrate an array of other technologies, devices, and systems to provide multimodal monitoring.



Masimo SafetyNet Mobile Application

Can be used in the home as part of the Masimo SafetyNet® app and cloud-based telehealth platform, securely transferring patient data through the app to a clinician portal in the hospital.



Third-party Monitors*

Seamlessly connects to third-party monitors to fit existing workflows.



Discover how reliable tetherless monitoring can be tailored to fit the needs of your practice.

Learn more: www.masimo.com/radius-ppg

* RRp may not be available on all third-party monitors.

See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

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