

Radius PPG[®]

Tetherless pulse oximetry powered by Masimo SET[®] measure-through-motion technology for continuous monitoring on the move



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

Discover how reliable tetherless monitoring can benefit your practice.

Improved patient comfort and convenience

- > Facilitates untethered movement around the hospital room
- > Allows parents and caregivers to hold infants unencumbered – without the risk of cables tugging on fragile skin

Enhanced clinician workflow and efficiency

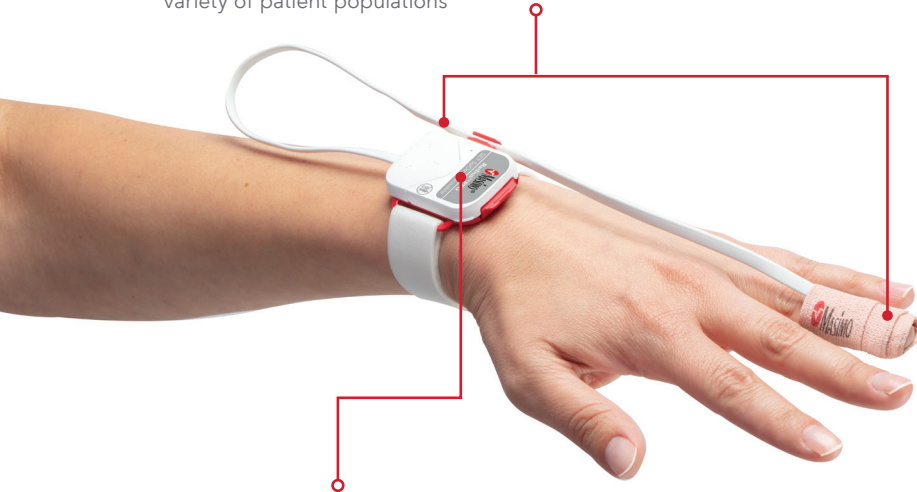
- > Reduces the burden of cable management
- > Eliminates the need to disconnect and reconnect each time patient gets out of bed



Radius PPG Enhances Workflow

Radius PPG Single-patient-use Sensor

- > Feather-weight sensor with adjustable wrist strap
- > Four-day battery life
- > Optional replaceable adhesive tapes*
- > Multiple sensor types available to monitor a wide variety of patient populations



Reusable Bluetooth[®]-enabled Chip

- > Near-field Communication (NFC) protocol enables quick Bluetooth pairing and parameter display on host device.
- > Data synchronization (sync) allows backfill of up to 96 hours of data onto the host device when a patient comes back into Bluetooth range.

Host Device

- > View multiple parameters simultaneously for quick assessment of patient data on a host device
- > Store and download high-fidelity trend data
- > Audible and visual alarms for quick identification of alarming parameter
- > Compatibility: Masimo and partner monitors with Masimo technology boards and software versions MX 7.E.9.4 and higher



Radius PPG (Photoplethysmography) Specifications

ACCURACY

Radius PPG Adt / Pdt / Inf / Neo (adult)	
SpO ₂ Accuracy Range (ARMS) ¹70–100%
No Motion2%
Motion	3%
Low Perfusion2%

Radius PPG Neo (neonatal)	
SpO ₂ Accuracy Range (ARMS) ¹70–100%
No Motion	3%
Motion	3%
Low Perfusion	3%

PR Accuracy	
No Motion	3 bpm
Motion	5 bpm
Low Perfusion	3 bpm

Sensor Weight Range and Application Site	
Radius PPG Adt	>30 kg, finger or toe application
Radius PPG Pdt	10–50 kg, finger or toe application
Radius PPG Inf	3–10 kg, thumb or great toe application
Radius PPG Neo (neonatal)	10–20 kg, finger or toe application
Radius PPG Neo (adult)	<3 kg, hand or foot application
Radius PPG Neo (adult)	>40 kg, finger or toe application

COMMUNICATION

Bluetooth LE Wireless Range	100 feet (~30 meters) line-of-sight
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BATTERY LIFE

Battery Life	96 hours with continuous usage
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COMPATIBILITY

Compatible Oximeters	Devices containing Masimo technology boards and software versions: MX 7.E.9.4 and higher
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ORDERING INFORMATION

Radius PPG Adt	4582
Radius PPG Pdt	4583
Radius PPG Inf	4584
Radius PPG Neo (adult/neonatal)	4585
Radius PPG Reusable Chip	4586
Radius PPG Wireless Receiver	
M20	4587
MD20	4588
Replacement Tapes	
Inf	4046
Neo	4674

PARAMETERS SUPPORTED

- Oxygen Saturation (SpO₂)
- Pulse Rate (PR)
- Perfusion Index (Pi)
- Pleth Variability Index (PVi[®])
- Respiration Rate from the Pleth (RRp[®])

¹ 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.

* Available with Neo and Inf sensors.

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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