

Radius™ PPG

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



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 for quick Bluetooth pairing and parameter display on host device
- > Automatic retransmission of data in the event of wireless interruption
- > Stores up to 96 hours of patient data

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 7.14.8.x and higher



Radius PPG (Photoplethysmography) Specifications

ACCURACY

Radius PPG Adt / Radius PPG Neo (adult)

SpO2 Accuracy Range (ARMS) ¹	70-100%
No Motion .....	.2%
Motion .....	.3%
Low Perfusion .....	.2%

Radius PPG Neo (neonatal)

SpO2 Accuracy Range (ARMS) ¹	70-100%
No Motion .....	.3%
Motion .....	.3%
Low Perfusion .....	.3%

SpO2 Limits of Agreement (LoA)

Upper 95% LoA (no motion)	1.98%
Lower 95% LoA (no motion)	-2.91%

PR Accuracy (adult / neonatal)

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 Neo (neonatal)	<3 kg, hand or foot application
Radius PPG Neo (adult)	>40 kg, finger or toe application

COMMUNICATION

Bluetooth LE Wireless Range	~10 meters (~33 feet) 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 7.14.8.x and higher
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ORDERING INFORMATION

Radius PPG Adt4582
Radius PPG Neo (adult/neonatal)4585
Radius PPG Reusable Chip .....	.4586
Radius PPG Wireless Receiver	PN varies by host device

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 sensor.

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.

Radius PPG is not licensed for sale in Canada.

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