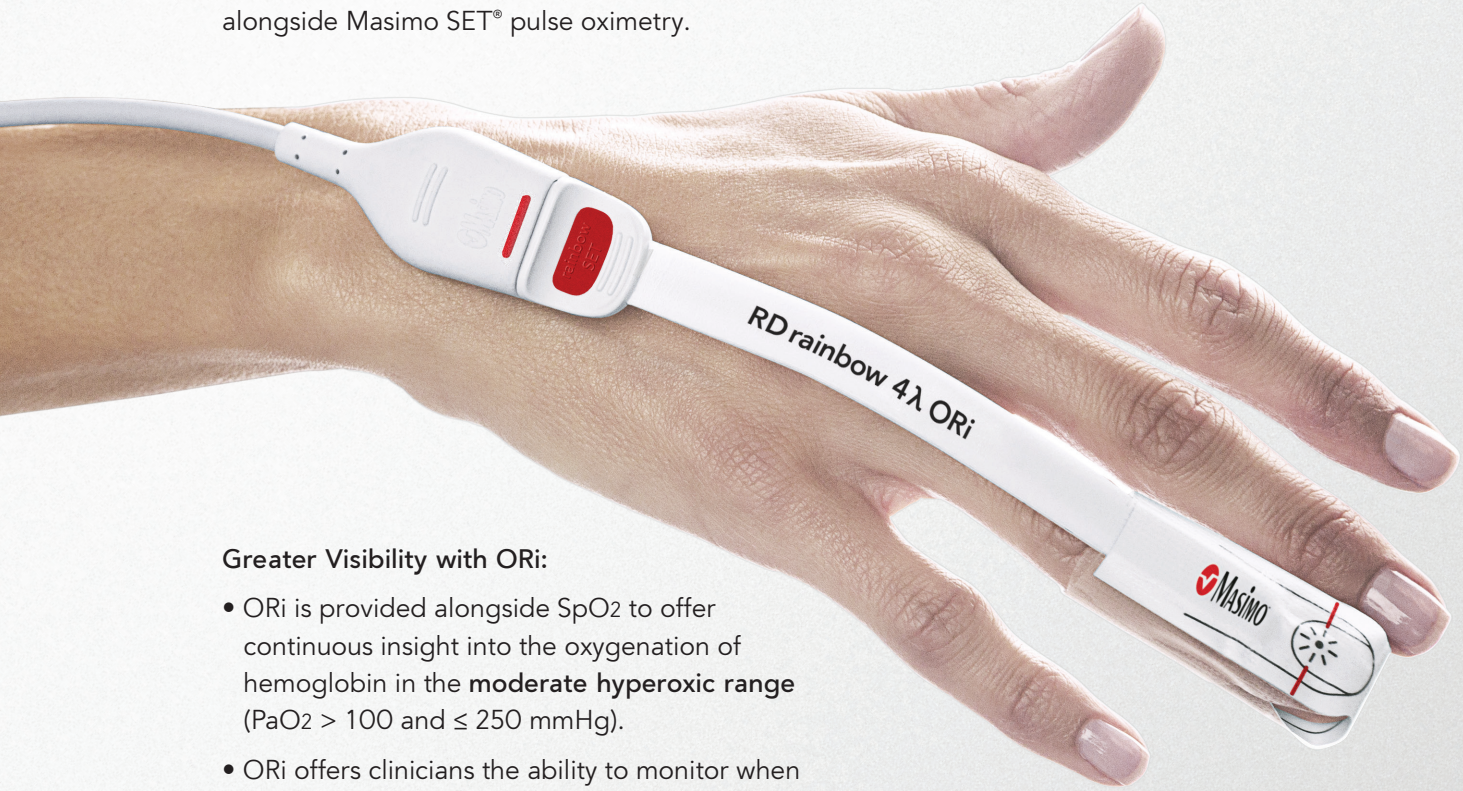
Masimo Sensors

RD rainbow™ 4λ

Powered by Masimo rainbow SET® Technology and SET® Measure-through Motion and Low Perfusion™ Pulse Oximetry

RD rainbow 4λ sensors utilize four wavelengths of light to provide **Oxygen Reserve Index (ORi™)**, offering a unique capability alongside Masimo SET® pulse oximetry.



Greater Visibility with ORi:

- ORi is provided alongside SpO_2 to offer continuous insight into the oxygenation of hemoglobin in the **moderate hyperoxic range** (PaO_2 > 100 and ≤ 250 mmHg).
- ORi offers clinicians the ability to monitor when the oxygenation of **patients on supplemental oxygen** has increased into, or decreased out of, the moderate hyperoxic range.

The ORi feature is indicated for the monitoring of hemoglobin oxygen saturation levels in patients 18 years and older (adults and transitional adolescents) on supplemental oxygen during no-motion conditions perioperatively in hospital environments.

MASIMO®

Sensor Application

Fold-over Style Sensors

- Secure digit application and intuitive sensor alignment

Adt
finger application

Wrap-around Style Sensors

- Easily removed and reapplied
- More accommodating for patients with long fingernails

Neo
adult finger application

Single-patient-use Sensors

Adult
SpO2, PR, Pi, RRp®, PVi®, ORi

Neonatal/Adult*
SpO2, PR, Pi, RRp, PVi, ORi

Pediatric
SpO2, PR, Pi, RRp, PVi

Infant*
SpO2, PR, Pi, RRp, PVi

ORi on the Neonatal/Adult sensor (PN 4693 RD rainbow Neo 4λ) is for adult patients only. ORi is not a supported parameter on Pediatric and Infant sensors (PN 4691 RD rainbow Pdt 4λ and PN 4692 RD rainbow Inf 4λ).

RD rainbow 4λ Specifications

ACCURACY – (A_{RMS})†

Oxygen Saturation (% SpO2) Accuracy Range	70–100%
No Motion Adults/Pediatrics/Infants	2%
No Motion Neonates	3%
Motion Adults/Pediatrics/Infants/Neonates	3%
Low Perfusion Adults/Pediatrics/Infants	2%
Low Perfusion Neonates	3%
Oxygen Saturation (% SpO2) Accuracy Range	60-80%
No Motion Adults/Pediatrics/Infants	3%
Pulse Rate Accuracy Range	25–240 bpm
No Motion Adults/Pediatrics/Infants/Neonates	3 bpm
Motion Adults/Pediatrics/Infants/Neonates	5 bpm
Low Perfusion Adults/Pediatrics/Infants/Neonates	3 bpm

WEIGHT RANGE

RD rainbow Adt 4λ	>30 kg, finger application
RD rainbow Pdt 4λ	10–50 kg, finger application
RD rainbow Inf 4λ	3–10 kg, thumb or great toe application
RD rainbow Inf 4λ	10–30 kg, finger or toe application
RD rainbow Neo 4λ (neonatal)	<3 kg, hand or foot application
RD rainbow Neo 4λ (adult)	>30 kg, finger application

COMPATIBILITY

RD rainbow 4λ disposable sensors are for use with devices containing Masimo SET® technology (v7.7 or higher) or licensed to use rainbow®-compatible sensors. The ORi parameter requires Masimo rainbow SET® technology board version 7.C [7.12] or higher.

ORDERING INFORMATION

Single-patient-use / Non-sterile / Packaged 10 per box / Does not contain natural rubber latex

	Part Number (PN)
RD rainbow Adt 4λ	4690
RD rainbow Pdt 4λ	4691
RD rainbow Inf 4λ	4692
RD rainbow Neo 4λ	4693

PARAMETERS SUPPORTED

Oxygen Saturation (SpO2)
Pulse Rate (PR)
Perfusion Index (Pi)
Respiration Rate from the Pleth (RRp)
Pleth Variability Index (PVi)
Oxygen Reserve Index (ORi)*

* ORi on the Neonatal/Adult sensor (PN 4693 RD rainbow Neo 4λ) is for adult patients only. ORi is not a supported parameter on Pediatric and Infant sensors (PN 4691 RD rainbow Pdt 4λ and PN 4692 RD rainbow Inf 4λ).

† 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 ± A_{RMS} of the reference measurements in a controlled study.

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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