

# RD rainbow™ 12λ Sensors

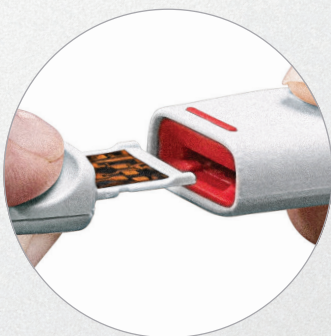
Powered by Masimo rainbow® Technology and SET®  
Measure-through Motion and Low Perfusion™ Pulse Oximetry

Featuring multi-wavelength technology, which enables a full suite of advanced parameters, including total haemoglobin (SpHb\*) and carboxyhaemoglobin (SpCO\*) monitoring alongside oxygen saturation (SpO2), across the continuum of care



## Sensor Features:

- > Flat sensor with smooth edges lies comfortably on a patient's hand
- > Lighter than traditional cable-based sensors
- > Quick and intuitive sensor-to-cable connection with tactile and audible feedback ensures proper connection
- > Sensor graphics guide proper sensor application



# Sensor Application

## Fold-over Style Sensors

- Secure digit application and intuitive sensor alignment



Adt  
finger application



Pdt  
finger application

## Wrap-around Style Sensors

- Easily removed and reapplied
- Suitable for patients with long fingernails or finger deformities



Inf  
finger application



Inf  
thumb application



Neo  
adult finger application



Neo  
neonatal foot application

# Single-Patient-Use Sensors



RD rainbow Adt



RD rainbow Pdt



RD rainbow Inf



RD rainbow Neo

# RD rainbow 12λ Sensor Specifications

## ACCURACY – (ARMS)<sup>1</sup>

Oxygen Saturation (% SpO <sub>2</sub> ) Accuracy Range	70–100%
No Motion Adults/Paediatrics/Infants/Neonates	2%
Motion Adults/Paediatrics/Infants/Neonates	3%
Low Perfusion Adults/Paediatrics/Infants/Neonates	2%
Oxygen Saturation (% SpO <sub>2</sub> ) Accuracy Range	60–80%
No Motion Adults/Paediatrics/Infants	3%
Pulse Rate Accuracy Range	25–240 bpm
No Motion Adults/Paediatrics/Infants/Neonates	3 bpm
Motion Adults/Paediatrics/Infants/Neonates	5 bpm
Low Perfusion Adults/Paediatrics/Infants/Neonates	3 bpm
Total Haemoglobin (SpHb) Accuracy Range	8–17 g/dL
No Motion Adults/Paediatrics/Infants	1 g/dL
No Motion Neonates	2 g/dL
Methaemoglobin (SpMet) Accuracy Range	1–15%
No Motion Adults/Paediatrics/Infants/Neonates	1%
Carboxyhaemoglobin (SpCO <sup>®</sup> ) Accuracy Range	1–15%
No Motion Adults/Paediatrics/Infants	3%
Fractional Oxygen Saturation (% SpfO <sub>2</sub> ) <sup>2</sup> Accuracy Range	85–99%
No Motion Adults/Paediatrics/Infants	3%

## WEIGHT RANGE

Adt	>30 kg, finger application
Pdt	10–50 kg, finger application
Inf	3–10 kg, thumb or great toe application
Inf	10–30 kg, finger or toe application
Neo (neonatal)	<3 kg, hand or foot application <sup>2</sup>
Neo (adult)	>30 kg, finger application

## COMPATIBILITY

RD rainbow single-patient-use sensors are for use with devices containing Masimo SET<sup>®</sup> technology (v7.4 or higher) or licensed to use rainbow<sup>®</sup>-compatible sensors.

## PARAMETERS SUPPORTED

Oxygen Saturation (SpO<sub>2</sub>)  
Pulse Rate (PR)  
Perfusion Index (Pi)  
Respiration Rate from Pleth (RRp<sup>®</sup>)  
Pleth Variability Index (PVI<sup>®</sup>)  
rainbow<sup>®</sup> Pleth Variability Index (RPVI™)  
Oxygen Reserve Index (ORi™)  
Total Haemoglobin (SpHb)  
Carboxyhaemoglobin (SpCO)  
Methaemoglobin (SpMet)  
Oxygen Content (SpOC™)  
Fractional Oxygen Saturation (SpfO<sub>2</sub>)

## ORDERING INFORMATION

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

	<b>Part Number</b>
RD rainbow Adt 12λ SpHb SpCO	4038
RD rainbow Pdt 12λ SpHb SpCO	4039
RD rainbow Inf 12λ SpHb SpCO	4040
RD rainbow Neo 12λ SpHb SpCO	4041

<sup>1</sup> 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. <sup>2</sup> Refer to Accuracy section for parameter specifications for neonates < 3 kg.

RD rainbow 12λ SpHb SpCO Sensors are not licensed for sale in Canada.

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

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