

Discovery leads to Innovation

Making a breakthrough discovery leads to continued innovation when it changes the way you look at things. At Masimo, developing the world's first "measure-through motion and low perfusion" pulse oximetry allowed us to approach the challenge of developing other noninvasive physiological measurements without being constrained by prior conceptions of what is or is not possible. In 2005, after more than 10 years of research, we launched rainbow SET® Pulse CO-Oximetry, the first and only technology to noninvasively and continuously measure blood constituents which previously could only be measured invasively. rainbow® technology builds on industry-leading Masimo SET® pulse oximetry to provide an unprecedented level of real-time information to help clinicians make more informed and timely clinical decisions.

MASIMO RAINBOW PULSE CO-OXIMETER

Masimo rainbow® is a noninvasive monitoring platform enabling the assessment of multiple blood constituents and physiologic parameters that previously required invasive or complicated procedures, in addition to providing Masimo SET® Measure through Motion and Low Perfusion™ pulse oximetry.



Masimo rainbow Measurements:

- Total Hemoglobin (SpHb)
- Oxygen Content (SpOC)
- Carboxyhemoglobin (SpCO)
- Methemoglobin (SpMet)
- Plus: Masimo SET measurements of Oxygen Saturation (SpO₂), Pulse Rate (PR), Perfusion Index (PI), and Pleth Variability Index (PVI)



Based on the solid foundation of Masimo SET technology:

- Innovative noninvasive sensor technology uses more than 7 wavelengths of light to acquire blood constituent data based on light absorption
- Advanced signal processing algorithms and unique adaptive filters work together to isolate, identify and quantify various hemoglobin species
- Blood measurement results are then displayed numerically

THE NEW PATH TO TOTAL HEMOGLOBIN

Without Masimo Rainbow SET



With Masimo Rainbow SET



The upgradeable rainbow® platform lets you choose the rainbow measurements that are right for you now and be confident that your investment in patient safety won't become obsolete tomorrow