

Alaris® SpO₂ module with Masimo® SET® technology

Alaris® SpO₂ Module



Continuous pulse oximetry and infusion therapy on a single platform



Bringing continuous respiratory monitoring to all patient care areas

The Alaris® SpO₂ module incorporating Masimo® Signal Extraction Technology® (SET®) Pulse Oximetry delivers:

Exceptional signal sensitivity and specificity

- Masimo® SET® pulse oximetry provides exceptional sensitivity (the ability to detect true alarm) and specificity (the ability to reject false alarms)^{1,2}.
- Masimo® SET® technology helps eliminate false alarms and assists in providing accurate readings under extreme conditions such as low perfusion, motion and intense ambient light
- Masimo® FastSat™ feature offers the ability to detect rapid oxygen saturation changes when it is most needed (e.g., induction and intubation, apnea, hypopnea)
- Masimo® Signal IQ™ technology is a visual indicator of the system's confidence level in the displayed arterial oxygen saturation and pulse rate readings during motion and low perfusion
- Perfusion Index, or PI, is a numerical value that indicates the pulse strength and can be used to quickly evaluate the appropriateness of a monitoring site
- Adaptive Probe Off Detection (APOD) delivers enhanced protection against erroneous pulse rate and arterial oxygen saturation readings when a sensor becomes detached from the patient
- With Masimo® SET® technology clinicians can accurately monitor neonatal through adult applications

Safety throughout the duration of PCA therapy

- Incorporating trusted Masimo® SET® SpO₂ technology with PCA infusion delivery on a single platform establishes a new standard of care
- Real-time patient oxygen saturation status helps provide an early indication of potentially serious respiratory events throughout the course of infusion therapy
- Helps clinicians detect and manage the risk of respiratory depression during complex or high dose PCA therapies. When used with the Alaris® PCA module, the first system to introduce PCA Pause Protocol and real-time SpO₂ and PCA dose tabular trend data
- Customizable alarm limits by care area utilizing Guardrails® Suite MX helps to ensure alarms are appropriate for patients



Setting the standard of care in safety:

PCA Pause Protocol provides the clinician the ability to automatically pause the PCA infusion when hospital-established oxygen saturation alarm limits are exceeded. This helps provide an added safety net for critical patient risk factors unprotected by programming safety, such as PCA by proxy an undiagnosed clinical conditions.

Compatible with the complete line of Masimo® SET® sensors and accessories

- Complete line of single-patient-use adhesive, reusable and specialty sensors to meet the full spectrum of patient need
- Broad choice in sensors and compatibility with other Masimo® monitors makes standardization easy.

Specifications:

Measurement range:	Modes: adult and neonatal
Perfusion	0.02 - 20%
Pulse rate	25 - 240 bpm
Accuracy	70 - 100%
SpO ₂ (no motion)	+/- 2%
SpO ₂ (motion and low perfusion)	+/- 3%

References

- 1 Barker SJ, Morgan S. A Laboratory Comparison of the Newest "Motion-Resistant" Pulse Oximeters During Motion and Hypoxemia. *Anesthesia and Analgesia* 2004; 98(55), S2:A6,
- 2 Hay WW, et. al, "Reliability of Conventional and New Pulse Oximetry in Neonatal Patients". *Journal of Perinatology*, 2002; 22:360-366.

For more information on Masimo® SET® sensors, please contact Masimo at 1.800.326.4890 or online at www.masimo.com

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