

Introducing CLiO₂TM automatic controller of oxygen for the AVEA[®] ventilator*

Controlling your neonate's oxygen every second of every day



The first closed-loop controller of its kind designed to keep the SpO₂ of infants, on mechanical ventilation, within a safe range.

Key features:

- Fully automatic control of delivered oxygen
- On screen assessment of your patient's oxygen status
- Enhanced trending capabilities
- Built-in pulse oximetry monitoring
- Tight control over the desired SpO₂ range
- Advanced safety features

Controlling your neonate's SpO₂ with every breath

The CLiO₂[™] advanced oxygen controlling algorithm continuously monitors your patient's SpO₂ and adjusts the oxygen as fast as every second.

Your patient will spend more time in the desired SpO₂ range. Reducing the time spent hyperoxemic and severely hypoxemic helps lower the risks of oxygen related injuries.

With automatic oxygen control, the number of manual oxygen adjustments is significantly reduced allowing more efficient use of the bedside caregiver's time.

Controls	
Auto FiO ₂	Enable/disable
SpO ₂ target low	80 – 98%
SpO ₂ target high	82 – 100%
Backup FiO ₂	21 – 100%
Pulse oximetry	
Pulse oximetry	Enable/disable
Algorithm	Maximum, Normal, Advanced Probe Off Detection (APOD)
Averaging	2, 4, 6, 8, 10, 12, 14 or 16 seconds
SpO ₂ alarm delay	10 – 120 seconds

Monitors	
Baseline FiO ₂	21 – 100%
Auto FiO ₂ command	21 – 100%
Pulse oximetry	
SpO ₂	1 – 100%
Pulse rate	25 – 240 bpm
Perfusion index	0.02 – 20.0%
Plethysmographic waveform	
Signal IQ	
Alarms	
Low auto FiO ₂ limit	21 – 100%
High auto FiO ₂ alarm	21 – 100%
Low SpO ₂ alarm	60 – 97%
High SpO ₂ alarm	70 – 100%
High baseline FiO ₂	21 – 100%
Pulse oximetry	
Low SpO ₂	60 – 97% or off
High SpO ₂	70 – 100% or off
Low pulse rate	25 – 235 bpm or off
High pulse rate	30 – 240 bpm or off
Poor signal quality	
SpO ₂ invalid	

The CLiO₂[™] feature uses the gold standard, Masimo SET[®] pulse oximetry technology to provide a reliable, noninvasive SpO₂ measurement.

*The CLiO₂[™] feature is not available in the U.S.

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