Introducing CLiO$_2$™ 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 S$_{P}$O$_2$ 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 S$_{P}$O$_2$ range

- Advanced safety features

CareFusion

Controlling your neonate's S_PO_2 with every breath

The CLiO₂™ advanced oxygen controlling algorithm continuously monitors your patient's S_PO_2 and adjusts the oxygen as fast as every second.

Your patient will spend more time in the desired S_PO_2 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 FiO₂	Enable/disable
S_PO_2 target low	80 – 98%
S_PO_2 target high	82 – 100%
Backup FiO₂	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
S_PO_2 alarm delay	10 – 120 seconds

Monitors	
Baseline FiO₂	21 – 100%
Auto FiO₂ command	21 – 100%
Pulse oximetry	
S_PO_2	1 – 100%
Pulse rate	25 – 240 bpm
Perfusion index	0.02 – 20.0%
Plethysmographic waveform	
Signal IQ	
Alarms	
Low auto FiO₂ limit	21 – 100%
High auto FiO₂ alarm	21 – 100%
Low S_PO_2 alarm	60 – 97%
High S_PO_2 alarm	70 – 100%
High baseline FiO₂	21 – 100%
Pulse oximetry	
Low S_PO_2	60 – 97% or off
High S_PO_2	70 – 100% or off
Low pulse rate	25 – 235 bpm or off
High pulse rate	30 – 240 bpm or off
Poor signal quality	
S_PO_2 invalid	

The CLiO₂™ feature uses the gold standard, Masimo SET® pulse oximetry technology, to provide a reliable, noninvasive S_PO_2 measurement.

Manufactured for:
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