

LifeSense®

WIDESCREEN™ Capnography and Pulse Oximetry



Fast and Easy EtCO₂ and SpO₂ Monitoring

The LifeSense® WIDESCREEN™ touch-panel display monitor offers proven PureSAT® SpO₂ and MedAir™ sidestream EtCO₂ technologies for a wide range of clinical settings for both intubated and non-intubated patients. Portable, accurate and cost effective, LifeSense® is perfect for SpO₂ and EtCO₂ monitoring in low acuity areas in and outside the hospital setting.

LifeSense®

Product Highlights

- WIDESCREEN™ touch-panel backlit LCD display
- Nonin PureSAT® SpO₂ technology
- MedAir EtCO₂ technology
- Numerical pulse rate and respiratory rate display
- Numerical EtCO₂ and SpO₂ display
- Four-hour trending of pulse rate, SpO₂, respiration and EtCO₂
- Capnograph and plethysmograph display
- Audible and visual alarms
- Data output via RS-232 port



Specifications

Dimensions:	200 (W) x 135 (H) x 50 (D) mm (7.9 x 5.3 x 2 inches)
Weight:	800 grams (1.8 lbs)
Power Data	
Battery charger:	100 – 240 VAC, 50 – 60 Hz
Power consumption:	3.6 W at battery operation, 9 W with power supply
Input:	12 VDC, 720mA
Operation	
Working temperature:	32° to 104°F (0° to +40°C)
Humidity:	10 – 90% (non-condensing)
Atmospheric pressure:	645 – 795 mmHg (860 – 1060 hPa)
Storage	
Storage temperature:	-4° to +122°F (-20° to +50°C)
Humidity:	10 – 90% (non-condensing)
Atmospheric pressure:	Up to 4 atmospheres (83 – 3038 mmHg/110 - 405 hPa)
Pump	
Pump flow:	75 ml/min
Flow accuracy:	±15ml/min
Battery Data	
Type:	Lithium Ion internal battery, rechargeable
Battery capacity:	Approximately 8 hours
Charging time:	Approximately 17 hours or 2 hours for each hour of use
Capnography Measuring Data	
Respiration range:	3 – 80 respirations/min
Update frequency:	Once every breath (No Breath alarm after 25 seconds)
Respiration accuracy:	3 – 50 respirations/min ± 2 51 – 80 respirations/min ± 5
EtCO ₂ /CO ₂ range:	0 – 99 mmHg, or 0 – 9.9 kPa
EtCO ₂ /CO ₂ accuracy:	±0.2 kPa / ±2 mmHg, +6% of reading (EtCO ₂ /CO ₂ reading reaches its steady state accuracy 10 minutes after power up)
Update frequency:	Once every breath (No Breath alarm after 25 seconds)
Trend length:	4 hours; pulse rate, SpO ₂ , respiration and EtCO ₂

Pulse Oximeter Specifications

Displayed Oxygen Saturation Range (SpO₂)	0 to 100%
Displayed Pulse Rate Range	18 to 255 beats per minute (BPM)
Measurement Wavelengths***	
Red:	660 nanometers @ 0.8 mW maximum average
Infrared:	910 nanometers @ 1.2 mW maximum average
Saturation Accuracy (Arms) **	70 - 100%

Specifications are subject to change without notice.

Options

- Full line of infant to adult SpO₂ sensors (reusable and disposable)
- Full range of infant to adult CO₂ sampling lines
- Carrying case
- Adjustable mounting clamp
- TrendSense™ memory module, download cable and software
- Digital to analog converter (DAC) cables for pulse and capnography



Infant to Adult CO₂ Sampling Cannulas



T-connectors for Intubated monitoring

Wide range of PureLight® SpO₂ Sensors

REUSABLE



DISPOSABLE



Authorized Distributor:

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