

# LifeSense®

## WIDESCREEN™ Capnography and Pulse Oximetry



### Fast and Easy EtCO<sub>2</sub> and SpO<sub>2</sub> Monitoring

The LifeSense® WIDESCREEN™ touch-panel display monitor offers proven PureSAT® SpO<sub>2</sub> and sidestream EtCO<sub>2</sub> technologies for a wide range of clinical settings for both intubated and non-intubated patients. Portable, accurate and cost effective, LifeSense® is perfect for SpO<sub>2</sub> and EtCO<sub>2</sub> monitoring in low acuity areas in and outside the hospital and emergency transport (EMS) settings.

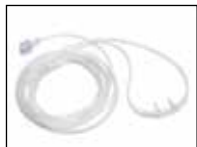
## Product Highlights

- WIDESCREEN™ touch-panel backlit LCD display
- Nonin PureSAT® SpO<sub>2</sub> technology
- MedAir™ EtCO<sub>2</sub> technology
- Numerical pulse rate and respiratory rate display
- Numerical EtCO<sub>2</sub> and SpO<sub>2</sub> display
- Four-hour trending of pulse rate, SpO<sub>2</sub>, respiration and EtCO<sub>2</sub>
- Capnograph and plethysmograph display
- Audible and visual alarms
- Data output via RS-232 port



## Options

- Full line of infant to adult SpO<sub>2</sub> sensors (reusable and disposable)
- Full range of infant to adult CO<sub>2</sub> 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 CO<sub>2</sub> Sampling Cannulas



T-connectors for Intubated monitoring

### Wide range of PureLight® SpO<sub>2</sub> Sensors

#### REUSABLE



#### DISPOSABLE



## 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: ..... 23° to 104°F (-5° to +40°C)  
 Humidity: ..... 10 – 90% (non-condensing)  
 Atmospheric pressure: ..... 540 – 795 mmHg (720 – 1060 hPa)

### Storage

Storage temperature: ..... -22° to +158°F (-30° to +70°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 – 60 respirations/min  
 Update frequency: ..... Once every breath (No Breath alarm after 25 seconds)  
 Respiration accuracy: ..... 3 – 50 respirations/min ± 2, 51 – 60 respirations/min ± 3  
 EtCO<sub>2</sub>/CO<sub>2</sub> range: ..... 0 – 99 mmHg, or 0 – 9.9 kPa  
 EtCO<sub>2</sub>/CO<sub>2</sub> accuracy: ..... ±0.2 kPa / ±2 mmHg, +6% of reading  
 (EtCO<sub>2</sub>/CO<sub>2</sub> 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<sub>2</sub>, respiration and EtCO<sub>2</sub>

### Standards and Regulations

ISO 9919 ..... Meets Professional Transport Requirements  
 ISO 21647 ..... Meets Professional Transport Requirements  
 IEC 60601-1, IEC 60601-1-2:2007, CSA C22.2  
 EN 1789 ..... Road Ambulance

## Pulse Oximeter Specifications

**Displayed Oxygen Saturation Range (SpO<sub>2</sub>)** ..0 to 100%  
**Displayed Pulse Rate Range** ..... 18 to 255 beats per minute (BPM)  
**Measurement Wavelengths\***

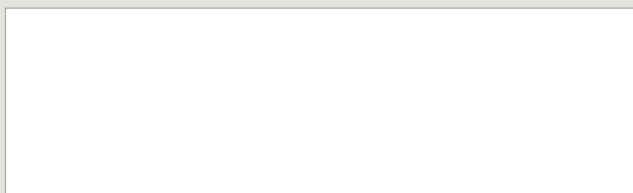
Red: ..... 660 nanometers @ 0.8 mW maximum average  
 Infrared: ..... 910 nanometers @ 1.2 mW maximum average

**Saturation Accuracy (A<sub>mm</sub>)\*\*** ..... 70 - 100%

Specifications are subject to change without notice.

\* This information is especially useful for clinicians performing photodynamic therapy  
 \*\*±1 Arms represents approximately 68% of measurements

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