

## Frequently Asked Questions

### Hardware:

**Q. What is included in the LifeSense package assembly?**

A. One LifeSense monitor, one moisture trap with three filters, one AC/DC battery charger, one sample line, one straight t-connector, three sampling nasal cannulas, Operator's Manual, one PureLight® (8000AA) 2-meter finger clip SpO<sub>2</sub> sensor and one protective hard case.

**Q. What is LifeSense's recommended sampling cannula length (sampling tube)?**

A. 7 feet (2.1 meters).

**Q. What is the longest combination of NONIN extension cable and NONIN oximeter sensor cable specified for use with LifeSense?**

A. Recommended overall maximum length of extension cable plus sensor cable is 40 feet (12 meters). A nine meter NONIN extension cable may be used with a NONIN three meter sensor.

**Q. How often do I need to replace the filter?**

A. Each filter is single-use, disposable. Replace after each use or if an occlusion occurs.

### Memory:

**Q. What happens to the trending graph after four hours have been displayed?**

A. LifeSense will continue displaying data in a "looping" fashion, replacing the oldest trend data with the newest data.

**Q. Does the LifeSense monitor store data in its memory?**

A. No. A TrendSense™ data memory module can be added to the monitor for storage of up to 72 hours of EtCO<sub>2</sub>, SpO<sub>2</sub>, pulse rate, and respiratory rate data. The data is collected once per second and can be transferred to a PC.

### Batteries:

**Q. What kind of battery is used in LifeSense?**

A. Rechargeable lithium ion battery pack.

**Q. How many hours of battery life can I expect?**

A. Up to eight hours when fully charged.

**Q. How long does it take to recharge the battery pack?**

A. If the battery pack is completely depleted and the system is turned off, it will take approximately 17 hours. The battery pack charges while the device is plugged in to AC power.

### Other Features:

**Q. How do I adjust the "High or Low" alarm parameters?**

A. Each specific parameter is adjusted by pressing the "up" or "down" arrow on the touch panel display bar.

**Q. Will the LifeSense monitor remember the users adjusted alarm settings when turned-off and turned-on again?**

A. The LifeSense monitor resets alarm limits to factory settings once the monitor is turned-off.

**Q. How long will the audible alarm remain deactivated once the audible alarm pause button is pushed?**

A. Two minutes. Visual alarms will remain activated.

**Q. What is the sampling flow rate of LifeSense?**

A. The sampling flow rate is 75 ml/minute ±15ml/minute.

**Q. How many minutes of use remain once the "LOW BATTERY" message is displayed?**

A. Approximately 20 minutes.

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### Applications:

- Q. Can I use LifeSense to monitor EtCO<sub>2</sub> on intubated and spontaneous breathing patients?**  
A. Yes. Use a sampling cannula or ET-tube adapter with sampling tube for either application.
- Q. What is the patient age range for LifeSense?**  
A. LifeSense can monitor EtCO<sub>2</sub>, SpO<sub>2</sub>, pulse rate and respiratory rate of adult, pediatric and infant patients. The appropriate cannula and sensor must be used. Refer to Operator's Manual for specific information.
- Q. Can I place the LifeSense in a ventilator circuit line?**  
A. Yes. LifeSense can be used with a ventilator. An appropriate adaptor and Nafion tubing are required. Please note cautions and warnings in Operator's Manual.

### Service:

- Q. How often should I calibrate the capnograph?**  
A. It is recommended that you carry out the calibration procedure at least once a year.
- Q. Does the oximeter require calibration?**  
A. No calibration is required.
- Q. What if LifeSense no longer displays a "zero CO<sub>2</sub> graph"?**  
A. LifeSense has a built-in zero-point calibration function for EtCO<sub>2</sub>. Calibration should be conducted at least once a year and more, if needed. An annual inspection should be carried out as well. Refer to Operator's Manual.
- Q. What is the warranty period for LifeSense?**  
A. 1-year. Battery pack, oximetry sensor, touch panel display.  
3-years. All other monitor parts.
- Q. Can I replace the battery myself?**  
A. No. If you suspect the battery needs replacement, contact Nonin Medical, Inc technical service at 1-800-356-8874 or send an e-mail to [info@nonin.com](mailto:info@nonin.com).
- Q. How do I turn-off the "Trap Full" alarm?**  
A. 1. Turn the monitor off.  
2. Check the moisture trap and filter. Replace them as needed.  
3. Check sampling line for kinks or occlusions and replace as needed. Press the audible alarm pause button to continue.

### OXIMETRY:

- Q. If LifeSense was turned-on without the SpO<sub>2</sub> sensor connected should it be restarted in order to use the SpO<sub>2</sub> function?**  
A. No. Connect the sensor to LifeSense and it will display SpO<sub>2</sub> readings.
- Q. How much data can be stored on the TrendSense™ Oximetry module?**  
A. Up to 72 hours of pulse rate and SpO<sub>2</sub> data may be stored. The TrendSense communicator software may be used to retrieve and analyze the data.