

Veterinary Monitoring

*Pulse Oximetry, Capnography
and CO₂ Detection*



Nonin Medical's innovative and economically priced veterinary monitors are engineered with high quality SpO₂ and EtCO₂ technologies. The integration of these proven technologies with our veterinary-specific software and patented sensor technology enables our veterinary oximeters to accurately monitor the wider heart rate range of animals (18 – 450 BPM), as well as to have an enhanced sensitivity to low perfusion signals.

Monitoring technology designed for veterinary use.

Nonin veterinary oximetry, capnography, CO₂ detection and sensor solutions



Capnography and oximetry in one lightweight, portable monitor!

The **LifeSense® VET Capnograph and Pulse Oximeter** is a multi-parameter monitor that measures pulse rate, SpO₂, EtCO₂, and respiratory rate of intubated animals. The distinct WIDESCREEN™ display serves as a user-friendly touch-panel where all settings and adjustments can be made.

Portable capnography

The **RespSense™ VET Capnograph** measures EtCO₂ and respiration rate of intubated animals. The distinct WIDESCREEN™ display serves as a user-friendly touch-panel where all settings and adjustments can be made.



Accurate WIDESCREEN™ oximetry

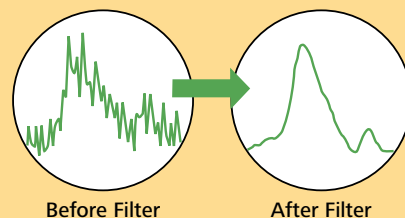
The **PulseSense™ VET Pulse Oximeter** is a convenient, easy-to-use tabletop veterinary oximeter. It can be used in a variety of clinical applications, including surgery or during dental procedures. The WIDESCREEN™ display serves as a user-friendly touch-panel where all settings and adjustments can be made.

The difference is in the technology

Pulse Oximetry

The integration of our proven pulse oximetry technology with our veterinary-specific software enables our veterinary oximeters to accurately measure a wider heart rate range (18 to 450 BPM) with enhanced sensitivity for more reliable readings. Because of our advanced signal processing and patented sensor technology, Nonin's veterinary oximeters provide the most reliable measurement — even in challenging conditions such as weak signals where low perfusion is common.

- ✓ Our patented lingual clip sensor technology provides a longer light path with thin tissue that improves the quality of reading— resulting in consistent, quality measurements that you can trust.
- ✓ Obtaining a measurement in low signal conditions can challenge traditional oximetry technology. Nonin PureLight® sensors have been refined over the past 20 years to provide pure light for quality readings.
- ✓ Filtering of weak signals is crucial to an oximeter's ability to provide quality SpO₂ readings under low signal conditions. Nonin's veterinary oximeters employ powerful filtering to achieve their dependable, proven accuracy in low perfusion. In the example adjacent, a weak signal is magnified to show the signal before and after our powerful filtering.



Before Filter

After Filter

Performance you can trust

The **PalmSAT® 2500A VET Handheld Pulse Oximeter** is a universal tool with unmatched versatility and cost-effectiveness for all veterinary monitoring and research applications. Compact and easy to use, the 2500A VET is proven accurate for pulse rates up to 450 beats per minute (BPM) and is ideal for monitoring during surgeries and dental procedures.

As the industry benchmark for durability and performance, Nonin veterinary pulse oximeters have gained the confidence of veterinary professionals worldwide.



High-tech simplicity

Ideal for surgery or dental procedures on intubated animals, the unique **9847V Pulse Oximeter with CO₂ Detection** combines semi-quantitative end-tidal carbon dioxide detection with veterinary pulse oximetry into one portable, durable and economical handheld monitor. The 9847V verifies endotracheal tube placement and provides accurate blood oxygen saturation, pulse rate data, and a visual respiration indicator with audible "breath beep." Truly versatile, the 9847V allows simultaneous or independent use of the CO₂ detector and pulse oximeter.



Sensors

Nonin's PureLight® veterinary oximetry sensors are reliable and easy to use on a wide range of animals for both short-term and continuous noninvasive monitoring. Backed by a six-month warranty, choose from three sensor designs that can be used with any of Nonin's veterinary oximeters:



2000SL: Lingual Clip Sensor

The patented 2000SL is a lightweight, ultra-sensitive clip-on sensor for tongue or well-perfused areas, as appropriate. Custom designed grippers hold the application site without excessive pressure. Use it in surgery and for monitoring during recovery while the patient is immobile.



2000T: Transflectance Sensor

The 2000T Transflectance Sensor, the smallest probe, is ideally suited for continuous monitoring. It can be conveniently placed on the underside, base of the tail or other well-perfused surfaces. It is an excellent option during dental procedures.



2000SA: Small Animal Wrap Sensor

The 2000SA flexible wrap sensor can be placed on a small, well-perfused appendage. This sensor is easily secured making it ideal for continuous monitoring during long surgical or other procedures. It is most often used on rodents or other very small animals.

Capnography

Ideal for continuous EtCO₂ monitoring, Nonin's veterinary-specific capnography monitors provide the earliest indicator of an adverse breathing event. Our capnography technology provides a quick response and enables time saving breath-by-breath sampling of intubated animals. Also, the low sample rate makes it safe for monitoring smaller animals.

The patented, unique moisture management design reduces the moisture occlusion issues that may affect other sidestream sampling technologies. Additionally, Nonin offers low-cost replacement filters, water traps, airway adapters and sample tubing for low operating/maintenance costs and no expensive mainstream sensors to replace.



Pulse Oximetry, Capnography and CO₂ Detection

Product Highlights

- True veterinary oximetry and capnography
- Portable, easy to use
- Durable and reliable
- Economical
- 3-Year warranty
- Expert service



Features

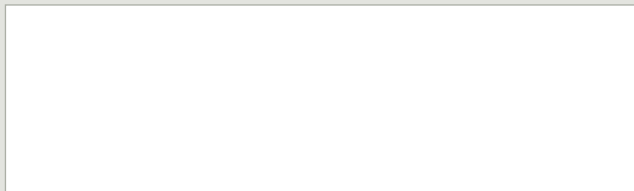


	LifeSense® VET	RespSense™ VET	PulseSense™ VET	9847V	2500A VET
Dimensions	7.9 x 5.3 x 2 in.	7.9 x 5.3 x 2 in.	7.9 x 5.3 x 2 in.	3 x 6 x 1 in.	2.8 x 5.4 x 1.3 in.
Weight	1.8 lbs	1.8 lbs	1.8 lbs	11 oz	7.5 oz
Warranty (monitor)	3 years	3 years	3 years	3 years	3 years
Power Source	AC or internal battery	AC or internal battery	AC or internal battery	AA alkaline batteries	AA alkaline or rechargeable batteries
Battery Life	12 hrs	12 hrs	14 hrs	90 hrs. (SpO ₂ only), 20 hrs. (both SpO ₂ and EtCO ₂)	60 hrs. or 40 hrs. NiMH rechargeable battery pack
Pulse Rate Range (BPM)	18–450 BPM	N/A	18–450 BPM	18–450 BPM	18–450 BPM
EtCO ₂ Technology	Sidestream capnography	Sidestream capnography	N/A	Mainstream CO ₂ detection	N/A

All Nonin veterinary monitors are fully backed by a three-year warranty and service is performed by Nonin technicians from our world headquarters in Minneapolis, Minnesota.



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