PalmSAT® 2500A VET

Pulse Oximeter

%SpO₂ 99
69

Performance You Can Trust for Veterinary Use

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.

NONIN®

PalmSAT® 2500A VET

Product Highlights

- **Reliable –** Proven Nonin pulse oximetry technology
- **Durable –** Extremely rugged construction
- **Extensive Memory –** 72 hours data storage
- **Easy to Use –** Simple two button operation
- **Compact Size –** 7.5 oz. unit for easily handling
- **Flexible Operation –** Operates on AA batteries, rechargeable batteries or AC power with charger stand

Pure Functionality

The 2500A VET has an audible pulse indicator and large LED displays that are visible in low-light situations. The tricolor perfusion indicator provides immediate feedback to assess pulse quality. This information is useful to determine if repositioning of the sensor is necessary and requires little training to interpret.

Sensors

PureLight® Vet sensors produce the pure light spectrum which eliminates variations in readings from patient-to-patient and sensor-to-sensor. PureLight sensors deliver the outstanding performance you need to get the job done.

- **2000SL –** Clip-on sensor for tongue applications, paw pads, and well-vascularized areas.
- **2000T –** For placement on the underside base of the tail or other well-vascularized surfaces.
- **2000SA –** Wrap sensor for placement on the toe (large animal) or base of the tail or foot (small animal).
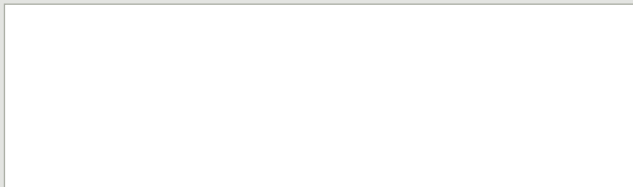
Accessories

Many options allow you to customize the PalmSAT 2500A VET to meet your application needs.
- PalmSAT Charger Stand and NiMH Battery Pack
- Sensor extension cables up to 9 meters
- Carrying Case
- PureLight® Sensors

Carrying Case

Specifications

Dimensions	7.0 cm (2.8") W x 13.8 cm (5.4") H x 3.2 cm (1.3") D
Weight	213 grams (7.5 oz) with alkaline batteries 233 grams (8.2 oz) with NiMH batteries
Warranty	3-years
Oxygen Saturation Display Range (%SpO$_2$)	0 – 100%
Pulse Rate Display Range	18 – 450 beats per minute (BPM)

Accuracy
- Blood Oxygen Saturation (%SpO$_2$ ±1 SD)* .... 70 – 100% ± 2 digits
- Pulse Rate .... 18 – 450 bpm ±3% ±1 digit

Measurement Wavelengths
- Red .... 660 nanometers
- Infrared .... 925 nanometers

Indicators
- Pulse Quality Display .... LED, tri-color
- Alarm Indicator .... LED, bi-color
- Alarm Silenced .... LED, yellow
- Numeric Displays .... 3-digit 7-segment LEDs red
- Low Battery Indicator .... LED, yellow

Temperature
- Operating .... -20° to +50°C (-4° to +122°F)
- Storage .... -30° to +50°C (-22° to +122°F)

Humidity
- Operating .... 10 – 95% noncondensing
- Storage .... 10 – 95% noncondensing

Altitude
- Operating Altitude .... Up to 12,000 meters (40,000 feet)
- Hyperbaric Pressure .... Up to 4 atmosphere

Power Requirements .... Four 1.5V AA-size alkaline batteries

Battery Life
- Operating .... 60 hours typical operation) or NiMH rechargeable battery pack (40 hours typical operation) AC power (charging stand)

Classifications per IEC 60601-1/UL60601-1
- Type of Protection .... Internally powered (battery)
- Degree of Protection .... Type BF-Applied Part
- Mode of Operation .... Continuous
- Enclosure Degree of Ingress Protection IPX2

ªAccuracy is specified for adult human hemoglobin measure at the fingertip. Although animal hemoglobin has similar optical characteristics, the other types of hemoglobin may affect accuracy.

ᵇS.D. (Standard Deviation) is a statistical measure; up to 32% of the readings may fall outside these limits. Quality System registered to ISO 13485:2003 and EC certificate per Annex II, clause 3 of EC Directive NO. 93/42/EEC concerning medical devices.

± A$_{rms}$ encompasses approximately 68% of the population.

Quality Systems are registered to ISO 13485.

Specifications are subject to change without notice.

VETERINARY USE

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