



8500AV 8600V

Digital Pulse Oximeters

Performance You Can Trust for Veterinary Use

The 8500AV digital handheld and 8600V pulse oximeters are universal tools to help you treat your patients with the best possible care.

With accuracy of pulse rate up to 450 beats per minute, the 8500AV and 8600V are perfect for monitoring during surgeries and dental procedures. In addition, these units work well in research applications. Serving as a benchmark for durability and enduring performance – these oximeters have gained the confidence of veterinary professionals worldwide. The versatility of the 8500AV and 8600V make them a cost-effective solution for every monitoring situation.



8500AV



8600V
compatible with MRI environment -
must be used with a fiber optic cable

Product Highlights

- ✓ Easy-to-Use - *Bright LED displays*
- ✓ Indication of Pulse Quality - *Tricolor perfusion indicator*
- ✓ Reliable - *Proven NONIN digital pulse oximetry technology*
- ✓ Efficient - 8500 AV - *100 hours of battery life*
8600V - *30 hours of battery life with rechargeable Ni-Cad battery pack*
- ✓ Durable - *Extremely rugged construction*
- ✓ Compatible - *Works with NONIN's complete line of PureLight® Vet sensors*

✓ *Where People Make the Difference*





Pure Functionality

The 8500AV has large LED displays visible in low-light situations, the NONIN 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.

MRI Compatible

The 8600V is designed to meet the unique needs of MRI users for patient safety and image quality. With NONIN's Fiber Optic Sensors and Cables the risk of RF burns is eliminated, as well as the image artifact experienced with some MRI systems and conventional monitors.

Features & Alarm Functions

	8500AV	8600V
Features		
Audible Pulse Indicator	✓	✓
Alarm Functions		
SpO ₂ High/Low	✓	✓
Pulse Rate High/Low	✓	✓
Audible Mute	✓	✓
Audible Disable	✓	✓

Sensors

NONIN's PureLight® sensors produce the pure light spectrum which eliminates variations in readings from patient-to-patient and sensor-to-sensor. NONIN's 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.

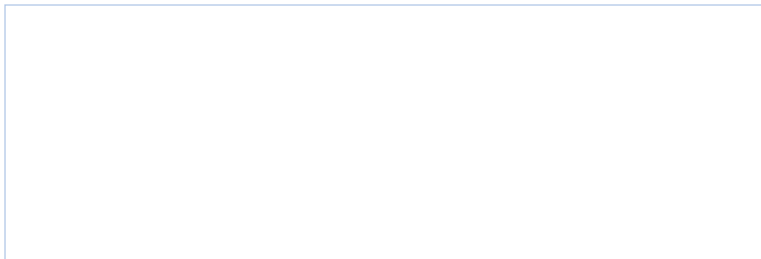


2000T – For placement on the underside base of the tail or other well-vascularized surfaces.



2000SA – Wrap sensor for placement on the toe (large animal) or base of the tail or foot (small animal).

Please contact your authorized distributor for more information.



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Specifications

Oximeter

Oxygen Saturation Range (%SpO ₂)	0% to 100%	
Pulse Rate Range	18 to 450 pulses per minute	
Measurement Wavelengths		
8500AV	Red	660 nanometers
	Infrared	925 nanometers
8600V	Red	660 nanometers
	Infrared	910 nanometers
Displays		
Numeric Displays	Two 3-digit 7-segment LEDs (light emitting diodes)	
Pulse Quality	Tricolor LED segments	
Accuracy*		
Blood Oxygen Saturation (%SpO ₂ ±1 SD) [†]	70 - 100% ±2 digits	
Pulse Rate	±3% ±1 digit	
Temperature		
8500AV	Operating	-4° to +122°F (-20° to +50°C)
	Storage	-22° to +122°F (-30° to +50°C)
8600V	Operating	+32° to +113°F (0° to +45°C)
	Storage	-4° to +113°F (-20° to +45°C)
Humidity		
Operating	10% to 90% noncondensing	
Storage	10% to 95% noncondensing	
Power Requirements		
8500AV	6AA alkaline batteries	
8600V	5-Cell rechargeable Ni-Cad battery pack	
Battery Life		
8500 AV	100 hours typical operation	
8600V	30 hours typical operation	
Dimensions		
8500AV	3 x 6 x 1 in. (8 x 15 x 2 cm)	
8600V	5.8 x 2.7 x 7.5 in. (14.7 x 6.9 x 19 cm)	
Weight		
8500AV	10 oz. with batteries (280 g)	
8600 V	2 lbs. (.75 kg)	
Warranty	3 years	

Classifications per IEC 60601-1/UL60601-1

Type of Protection	Class I (when on AC power with 300PS-UNIV battery charger)
	Internally powered (on battery power)
Degree of Protection	Type BF-Applied Part
Mode of Operation	Continuous

* Accuracy 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.

[†] ±1 Standard Deviation encompasses 68% of the population.

Quality Systems are registered to ISO 13485:2003 and EC certificates per Annex II, clause 3 of EC Directive No. 93/42/EEC concerning medical devices.



Specifications are subject to change without notice.

Your Partner of Choice



With over 20 years of experience and dedication to the design and support of noninvasive monitoring devices, NONIN has helped many medical professionals meet clinical and economic objectives. Trusted by clinicians worldwide, countless tests are performed every day on thousands of NONIN pulse oximeters in more than 125 countries. NONIN's dedication to technological leadership, precision manufacturing and uncompromised customer support ensures quality products and service you expect.



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