

# 8500AV

## Digital Pulse Oximeter

### Performance You Can Trust for Veterinary Use

The 8500AV digital handheld pulse oximeter is a universal tool to help you treat your patients with the best possible care. Proven accurate for pulse rates up to 450 beats per minute, the 8500AV is perfect for monitoring during surgeries and dental procedures. And, as the industry benchmark for durability and performance, this oximeter has gained the confidence of veterinary professionals worldwide. The versatility of the 8500AV makes it a cost-effective solution for all monitoring and research applications.



### Product Highlights

- » **Easy-to-Use** – Bright LED display
- » **Indication of Pulse Quality** – Tricolor perfusion indicator
- » **Reliable** – Proven NONIN digital pulse oximetry technology
- » **Efficient** – 100 hours of battery life
- » **Durable** – Extremely rugged construction
- » **Compatible** – Works with NONIN's complete line of PureLight® Vet sensors

## Pure Functionality

The 8500AV 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.

## Alarm Functions

- » SpO<sub>2</sub> High/Low
- » Pulse Rate High/Low
- » Audible Mute
- » Audible Disable



## Sensors

NONIN's PureLight Vet 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).

## Specifications

<b>Dimensions</b>	8 cm (3") W x 15 cm (6") H x 2 cm (1") D
<b>Weight</b>	280 g (10 oz) with batteries
<b>Warranty</b>	3 years
<b>Oxygen Saturation Display Range</b>	0–100% SpO <sub>2</sub>
<b>Pulse Rate Display Range</b>	18–450 beats per minute (BPM)
<b>Accuracy<sup>a</sup></b>	
Oxygen Saturation (%SpO <sub>2</sub> ±1 SD) <sup>b</sup> :	70–100% ±2 digits
Pulse Rate:	±3% ±1 digit
<b>Measurement Wavelengths</b>	
Red:	660 nanometers
Infrared:	925 nanometers
<b>Indicators</b>	
Pulse Quality Display:	Tricolor LED segments
Numeric Displays:	Two 3-digit 7-segment LEDs
<b>Temperature (Operating)</b>	-20° to +50°C (-4° to +122°F)
Storage:	-30° to +50°C (-22° to +122°F)
<b>Humidity (Operating)</b>	10–90% noncondensing
Storage:	10–95% noncondensing
<b>Power Requirements</b>	6AA alkaline batteries, 100 hours typical operation

### Classifications per IEC 60601-1 / UL60601-1

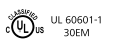
Type of Protection:	Internally powered (on battery power)
Degree of Protection:	Type BF-Applied Part
Mode of Operation:	Continuous

<sup>a</sup>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.

<sup>b</sup>±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 more than 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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