

# PalmSAT® 2500 Series

*Handheld Pulse Oximeter*



PalmSAT 2500

PalmSAT 2500A  
Alarm Version

## Proven Performance in Real World Applications

PalmSAT® – the next generation in handheld pulse oximetry – small yet versatile digital pulse oximeters designed to accurately assess oxygen saturation and pulse rate. The compact size, ease of operation, exceptional battery life and choice of alarm or non-alarm versions make the PalmSAT 2500 Series ideal for your portable monitoring needs – regardless of the patient's location.

# PalmSAT® 2500 Series

## Product Highlights

- **Choice** – Alarm and non-alarm versions
- **Simple** – Easy, two-button operation
- **Battery Life** – 2500: 80 hrs; 2500A: 60 hrs
- **Memory** – 72 hours of data storage
- **Flexible** – 4 AA batteries, rechargeable batteries or AC power with charger stand
- **Compact Size** – 7.5-oz unit for easy handling



**PalmSAT 2500 Series fits all of these sensors:**

**Finger Clip Sensors:**  
8000AA, 8000AP

**Soft Sensors:**  
8000SS, 8000SM, 8000SL

**Flex Sensors:**  
8000J, 8008J, 8001J

**Ear Clip Sensor:**  
8000Q2

**Forehead Sensor:**  
8000R

**Flexi-Form III® Sensors:**  
7000A, 7000P, 7000I, 7000N

**Cloth Sensors:**  
6000CA, 6000CP, 6000CI, 6000CN

Nonin has combined advanced technology and algorithms based on years of invaluable clinical experience to provide a wide range of functions. The functionality of the PalmSAT 2500 Series also makes it useful for an array of medical locations and applications:

- Hospitals
- Pre- and Post-Op
- Procedure Rooms
- Urgent Care
- Physicians Offices
- Same-Day Surgery
- Emergency Services
- Transport
- Nursing Homes
- Sleep Studies – basic overnight
- Dental and Oral Surgery

Nonin's optional Windows®-based software package, nVISION®, permits the seamless transfer of all stored data from 72 hours of memory to a PC for further analysis, comprehensive report generation and storage.

## 1000USB Adapter & 1000USB-C (Continua Certified)

Nonin Medical's 1000USB adapter enables fast and convenient download of secure data to a receiving device such as a personal computer, and a patient sensor for data collection and transfer.



## Accessories

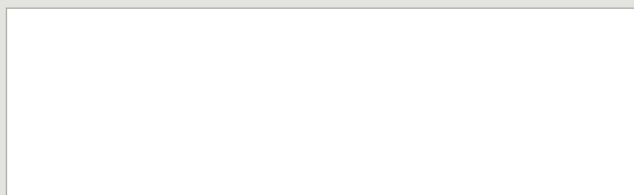
Many options allow you to customize the PalmSAT 2500 Series to meet your application needs.

- PureLight® Sensors
- PalmSAT Charger Stand & NiMH Battery Pack
- nVISION Data Management Software
- PC Interface Cable
- Carrying Case



Carrying Case

Authorized Distributor:



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P/N 9443-001-03

## Specifications

<b>Dimensions</b> .....	7.0 cm (2.8") W x 13.8 cm (5.4") H x 3.2 cm (1.3") D		
<b>Weight</b>			
2500	210 grams (7.4 oz) (with alkaline batteries)		
2500A	213 grams (7.5 oz) (with alkaline 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 – 321 beats per minute (BPM)		
<b>Saturation Declared Accuracy (A<sub>95</sub>)</b> * .....	70 – 100%		
		<b>Adults/Pediatrics</b>	<b>Neonates</b>
No Motion:	Finger Clip	±2 digits	N/A
	Flex	±3 digits	N/A
Motion:	Finger Clip	±3 digits	N/A
	Flex	±3 digits	N/A
Low Perfusion:	Finger Clip	±3 digits	N/A
	Flex, Flexi-Form III	±3 digits	±4 digits
<b>Pulse Rate Declared Accuracy</b>			
No Motion .....	18 – 300 BPM		
Motion .....	40 – 240 BPM		
Low Perfusion .....	40 – 240 BPM		
		<b>Adults/Pediatrics</b>	<b>Neonates</b>
No Motion:	Finger Clip	±3 digits	N/A
	Flex, Flexi-Form III	±3 digits	±3 digits
Motion:	Finger Clip	±5 digits	N/A
	Flex	±3 digits	N/A
Low Perfusion:	Finger Clip	±3 digits	N/A
	Flex, Flexi-Form III	±3 digits	±3 digits
<b>Measurement Wavelengths and Output Power**</b>			
Red .....	660 nanometers @ 0.8 mW maximum average		
Infrared .....	910 nanometers @ 1.2 mW maximum average		
<b>Indicators</b>			
Pulse Quality Display .....	LED, tricolor		
Numeric Displays .....	3-digit 7-segment LEDs, red		
Low Battery Indicator .....	LED, amber		
<b>Temperature</b>			
Operating .....	-20 to +50°C (-4 to +122°F)		
Storage/Transportation .....	-40 to +70°C (-40 to +158°F)		
<b>Humidity</b>			
Operating .....	10 – 95% noncondensing		
Storage/Transportation .....	10 – 95% noncondensing		
<b>Altitude</b>			
Operating .....	Up to 4,000 meters (13,123 feet)		
Hyperbaric Pressure .....	Up to 4 atmospheres		
<b>Power Requirements</b> .....	Four 1.5V AA-size alkaline batteries (2500: 80 hours typical operation; 2500A: 60 hours typical operation) or NiMH rechargeable battery pack (40 hours typical operation)		
Classifications per IEC 60601-1 / CSA601.1 / UL60601-1			
Type of Protection: .....	Internally powered (on battery power)		
Degree of Protection: .....	Type BF-Applied Part		
Mode of Operation: .....	Continuous		
Enclosure Degree of Ingress Protection: .....	IPX2		

Quality systems certified to ISO 13485.

\* ± 1 Arms represents approximately 68% of measurements

\*\*This information is especially useful for clinicians performing photodynamic therapy

Specifications are subject to change without notice.

**Nonin Medical, Inc.**

13700 1st Avenue North  
Plymouth, MN • 55441-5443 • U.S.A.  
**Tel:** +1.763.553.9968 1.800.356.8874  
**Fax:** +1.763.577.5521  
**E-mail:** info@nonin.com

**Nonin Medical B.V.**

Prins Hendriklaan 26  
1075 BD Amsterdam • Netherlands  
**Tel:** +31 (0)13-79 99 040  
**Fax:** +31 (0)13-79 99 042  
**E-mail:** infointl@nonin.com

[nonin.com](http://nonin.com)



UL 60601-1  
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