

# 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

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



Carrying Case

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



## PalmSAT 2500 Series fits all of these sensors:

- Finger Clip Sensors:**  
8000AA-1, 8000AA-3, 8000AP-1, 8000AP-3,
- Soft Sensors:**  
8000SS, 8000SM, 8000SL
- Flex Sensors:**  
8000J-1, 8000J-3, 8008J, 8001J
- Ear Clip Sensors:**  
8000Q2
- Forehead Sensors:**  
8000R, 8000H
- Flexi-Form II Sensors:**  
7000A, 7000P, 7000I, 7000N, 6000A, 6000P, 6000I, 6000N

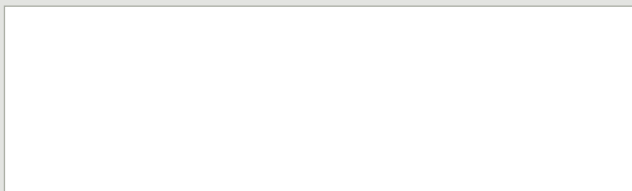
## Specifications

<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>ms</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® II      ±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 II      ±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 II      ±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 .....	-30 to +50°C (-22 to +122°F)
<b>Humidity</b>	
Operating .....	10 – 90% noncondensing
Storage/Transportation .....	10 – 95% noncondensing
<b>Altitude</b>	
Operating .....	Up to 12,000 meters (40,000 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

\* ± 1 Arms represents approximately 68% of measurements  
 \*\*This information is especially useful for clinicians performing photodynamic therapy

Specifications are subject to change without notice.

Authorized Distributor:



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