



## 2500 PalmSAT<sup>®</sup> Series

Digital Handheld  
Pulse Oximetry

### 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, and choice of alarm or non-alarm versions make the PalmSAT series ideal for your portable monitoring needs – regardless of the patient's location.

#### Product Highlights

- ✓ Choice - Alarm & non-alarm versions
- ✓ Simple - Easy two-button operation
- ✓ Compact Size - 7.5 oz. unit for easy handling
- ✓ Flexible - AA batteries, rechargeable batteries, or AC power with charger stand
- ✓ Powerful - Memory for 72 hours of data storage
- ✓ Efficient - 2500: 100 hrs of battery life:  
45 hrs - rechargeable batteries 2500A: 60 hrs of  
battery life: 40 hrs - rechargeable batteries



2500

2500A

✓ Where People Make the Difference



## Versatility

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 including:

✓ Hospitals	✓ Emergency Services
✓ Pre & Post Op	✓ Transport
✓ Procedure Rooms	✓ Nursing Homes
✓ Urgent Care	✓ Sleep Studies - basic overnight screening
✓ Physician's Offices	✓ Dental & Oral Surgery
✓ Same Day 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.

## Pure Functionality

	2500 Non-Alarm	2500A Alarm
		
Battery Life	100 hrs	60 hrs
NiMH rechargeable battery pack	45 hrs	40 hrs
Memory	72 hrs	72 hrs
<b>Alarm Functions</b>		
Audible		✓
Visible		✓
Pulse Rate High/Low		✓
SpO <sub>2</sub> High/Low		✓
Low Perfusion		✓

### Features

Battery Life	100 hrs	60 hrs
NiMH rechargeable battery pack	45 hrs	40 hrs
Memory	72 hrs	72 hrs

### Alarm Functions

Audible		✓
Visible		✓
Pulse Rate High/Low		✓
SpO <sub>2</sub> High/Low		✓
Low Perfusion		✓

## Select Your Options



Carrying Case

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

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

Please contact your authorized distributor for more information.

## Specifications

### Oximeter

Oxygen Saturation Range (%SpO <sub>2</sub> )	0% to 100%
Pulse Rate Range	18 to 300 pulses per minute
<b>Displays</b>	
Pulse Quality	LED, tri-color
Alarm Indicator	LED, bi-color
Alarm Silenced	LED, yellow
Numeric Displays	3-digit 7-segment LEDs, red
Low Battery	LED, yellow

### Accuracy\*

Blood Oxygen Saturation (%SpO <sub>2</sub> ) (±1 S.D.) <sup>b</sup>	
No Motion: Adults, Pediatrics	70 - 100% ± 2 digits
Neonates	70 - 100% ± 3 digits
Motion: Adults, Pediatrics	70 - 100% ± 3 digits
Neonates	70 - 100% ± 4 digits
Low Perfusion: Adults, Pediatrics	70 - 100% ± 3 digits
Neonates	70 - 100% ± 4 digits

### Pulse Rate:

No Motion:	18 - 300 bpm ± 3 digits
Motion:	40 - 240 bpm ± 5 digits
Low Perfusion:	40 - 240 bpm ± 3 digits

### Temperature

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

### Humidity

Operating	10% to 90% noncondensing
Storage/Transportation	10% to 95% noncondensing

### Altitude

Operating Altitude	Up to 40,000 feet (12,000 meters)
Hyperbaric Pressure	Up to 4 atmospheres

### Power Options

2500:	Four 1.5 V AA size alkaline batteries (100 hours typical operation) NiMH rechargeable battery pack (45 hours typical operation) AC power (charging stand)
2500A:	Four 1.5 V AA size alkaline batteries (60 hours typical operation) NiMH rechargeable battery pack (40 hours typical operation) AC power (charging stand)

### Weight

2500:	7.4 oz (210 g) with alkaline batteries 8.1 oz (230 g) with NiMH batteries
2500A:	7.5 oz (213 g) with alkaline batteries 8.2 oz (233 g) with NiMH batteries

### Dimensions

	1.3 x 2.8 x 5.4 in. (3.2 x 7.0 x 13.8 cm)
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### Warranty

	3 years
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### Classifications per IEC 60601-1

Degree of Protection	Type BF-Applied Part
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\*Accuracy is expressed for adult patients and determined with the Reusable 8000AA Finger Clip Sensor. All accuracy specifications are results determined by induced hypoxia studies on healthy adult volunteers. Motion accuracy specifications apply to the 8000AA Finger Clip Sensor. Accuracy specifications may vary with use of other sensor types indicated for use with the 2500 series. Refer to your Operator's Manual for details.

<sup>b</sup>S.D. (Standard Deviation) is a statistical measure; up to 32% of the readings may fall outside these limits.

Quality Systems registered to ISO 13485:2003 and EC certificate 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 18 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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