

# 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

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



## 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

### FlexiForm III® Sensors:

7000A, 7000P, 7000I, 7000N

### Cloth Sensors:

6000CA, 6000CP, 6000CI, 6000CN

## Specifications

**Dimensions** ..... 7.0 cm (2.8") W x 13.8 cm (5.4") H x 3.2 cm (1.3") D

**Weight**  
2500 ..... 210 grams (7.4 oz) (with alkaline batteries)  
2500A ..... 213 grams (7.5 oz) (with alkaline batteries)

**Warranty** ..... 3 years

**Oxygen Saturation Display Range** ..... 0 – 100% SpO<sub>2</sub>

**Pulse Rate Display Range** ..... 18 – 321 beats per minute (BPM)

**Saturation Declared Accuracy (A<sub>rm</sub>)\*** ..... 70 – 100%

		Adults/Pediatrics	Neonates
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

### Pulse Rate Declared Accuracy

No Motion	18 – 300 BPM
Motion	40 – 240 BPM
Low Perfusion	40 – 240 BPM

		Adults/Pediatrics	Neonates
No Motion:	Finger Clip	±3 digits	N/A
	Flex, Flexi-Form III	±3 digits	±3 digits
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	±3 digits

### Measurement Wavelengths and Output Power\*\*

Red	660 nanometers @ 0.8 mW maximum average
Infrared	910 nanometers @ 1.2 mW maximum average

### Indicators

Pulse Quality Display	LED, tricolor
Numeric Displays	3-digit 7-segment LEDs, red
Low Battery Indicator	LED, amber

### Temperature

Operating	-20 to +50°C (-4 to +122°F)
Storage/Transportation	-40 to +70°C (-40 to +158°F)

### Humidity

Operating	10 – 95% noncondensing
Storage/Transportation	10 – 95% noncondensing

### Altitude

Operating	Up to 4,000 meters (13,123 feet)
Hyperbaric Pressure	Up to 4 atmospheres

### Power Requirements

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.

Authorized Distributor:



888-970-2999