

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-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

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 screening
- 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

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% SpO₂

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

Saturation Declared Accuracy (A_{rm})* 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® II	±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 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

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 -30 to +50°C (-22 to +122°F)

Humidity

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

Altitude

Operating Up to 12,000 meters (40,000 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

* ± 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:



PT Medical bv
The Netherlands
T +31 (0) 594 587 280
F +31 (0) 594 587 288
mail@pt-medical.nl
www.pt-medical.nl

Nonin Medical, Inc.
13700 1st Avenue North
Plymouth, MN ■ 55441-5443 ■ USA
P +1.763.553.9968 F +1.763.577.5521
E info@nonin.com
www.nonin.com

Nonin Medical AB
Fibervägen 2, 82450
Hudiksvall, Sweden
P +46 650 401500
F +46 650 401514
E infointl@nonin.se