

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
- 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

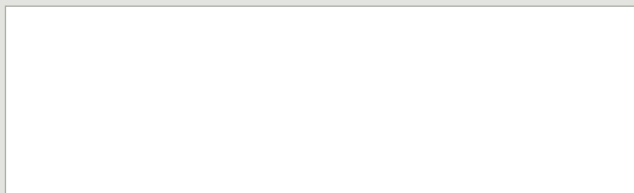
Many options allow you to customize the PalmSAT 2500 Series to meet your application needs.

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



Carrying Case

Authorized Distributor:



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 ₂
Pulse Rate Display Range	18 – 321 beats per minute (BPM)
Saturation Declared Accuracy (A₉₅) *	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.

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