

# PalmSAT® 2500 series

## Pulse oximetry made easy

The PalmSAT 2500 series are next generation in handheld pulse oximetry. These digital pulse oximeters are designed to accurately assess oxygen saturation levels and pulse rate. The functionality of the PalmSAT 2500 series makes it useful for an array of medical environments.

### Features and benefits

- Easy to use with two-button operation.
- Available in alarm and non-alarm versions.
- Able to store 72 hours of data.
- Compact size for easy handling.
- These oximeters can use 4 AA batteries, rechargeable batteries or AC power with charger stand.
- An optional Windows® based software package, nVISION® allows the seamless transfer of stored data to a PC for further evaluation and storage.
- 5 year warranty.
- Free finger sensor with one metre cable.
- Free annual calibration check and certification.



### Assured quality/standards

All Nonin® pulse oximeters are designed and tested to the exacting requirements of ISO 9919. This enables them to be CE marked as a class IIb device to the Medical Device Directive.

### Features

#### PalmSAT 2500



#### PalmSAT 2500A (alarm option)



#### Dimensions:

Width	7.0 cm	7.0 cm
Height	13.8 cm	13.8 cm
Depth	3.2 cm	3.2 cm
Weight	210 grams (with alkaline batteries)	213 grams (with alkaline batteries)
Battery life*	80 hours	60 hours
Memory	72 hours	72 hours

To find out more or place your order today contact:

**0161 930 6010**

or for 24 hour support visit:

**[www.boclifeline.co.uk](http://www.boclifeline.co.uk)**



## Specifications

Oxygen saturation display range	0 – 100% SPO <sub>2</sub>
Pulse rate display range	18 – 321 Beats Per Minute (BPM)

Oxygen saturation declared accuracy range(A<sub>rms</sub>)\*\* 70 – 100%

	Adults/Paediatrics	Neonates
No motion:		
Finger clip	±2 digits	N/A
Motion:		
Finger clip	±3 digits	N/A
Low perfusion:		
Finger clip	±3 digits	N/A
Flex, Flexi-Form® II	±3 digits	±4 digits

Pulse rate declared accuracy 18 – 300 BPM (no motion)  
40 – 240 BPM (motion)  
40 – 240 (low perfusion)

	Adults/Paediatrics	Neonates
No motion:		
Finger clip	±3 digits	N/A
Flex, Flexi-Form II	±3 digits	±3 digits
8000Q, 8000R	±3 digits	N/A
Motion:		
Finger clip	±5 digits	N/A
Low perfusion:		
Finger clip	±3 digits	N/A
Flex, Flexi-form II	±3 digits	±3 digits

## Specifications continued

### 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, tricolour
Numeric displays	3-digit 7 segment LEDs, red
Low battery indicator	LED, amber

### Temperature

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

### Humidity

Operating	10 – 90% non-condensing
Storage and transportation	10 – 95% non-condensing

### Altitude

Operating	up to 12,000 metres (40,000 feet)
Hyperbaric pressure	up to 4 atmospheres

### 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

## Accessories

There are various options that enable healthcare professionals to customise the PalmSAT 2500 series to meet specific requirements:

- PalmSAT charger stand and NiMH battery pack
- PC interface cable
- Purelight® sensors
- nVISION® data management software
- Carry case

\* Based on using four 1.5v AA alkaline batteries in continuous operation, calculated at 30 seconds per spot check

\*\* ± 1 A<sub>rms</sub> represents approximately 68% of measurements

\*\*\* This information is especially useful for clinicians performing photodynamic therapy

Specifications are subject to change without notice.

## PalmSAT 2500 series

Order code	Description
19221663	Nonin 2500 PalmSAT pulse oximeter with memory
19221664	Nonin 2500A PalmSAT pulse oximeter with user
19221665	Complete NiMH charger stand kit for Nonin PalmSAT monitors
19221666	PROACT carry case for Nonin 2500/8500 series monitors
19221667	Cushioned blue carry case for PalmSAT monitors
19221668	Nonin nVision PC software for 2500 series
19221680	Nonin soft rubber sensor large adult (1m cable)
19221681	Nonin soft rubber sensor medium adult (1m cable)
19221682	Nonin soft rubber sensor small (1m cable)
19221690	Nonin adult reusable flex sensor (1m cable)
19221703	Nonin reusable SpO <sub>2</sub> extension cable (1m cable)
19221704	Nonin reusable SpO <sub>2</sub> extension cable (3m cable)

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