

2500 *PalmSAT*TM

Digital Handheld
Pulse Oximetry

Proven Performance in Real World Applications

PalmSAT – the next generation in handheld pulse oximetry – is a small, yet versatile digital pulse oximeter designed to accurately assess oxygen saturation and pulse rate. The compact size, ease of operation, and flexible design make this an ideal unit for your portable monitoring needs – regardless of the patient's location.

Product Highlights

- ✓ Simple - *Easy two-button operation*
- ✓ Compact Size - *7.4 oz. unit for easy handling*
- ✓ Flexible - *AA batteries, rechargeable batteries, or AC power*
- ✓ Powerful - *Memory for 72 hours of data storage*
- ✓ Efficient - *100 hrs of battery life: 45 hrs - rechargeable batteries*
- ✓ Compatible - *works with Nonin's full line of sensors*



✓ *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 also makes it useful for an array of medical locations and applications including:

- ✓ Hospitals
- ✓ Emergency Services
- ✓ Physician's Offices
- ✓ Transport
- ✓ Clinics
- ✓ Sleep Studies - basic overnight screening

Nonin's optional Windows® based software package, nVISION™, permits the seamless transfer of all stored data from the standard 72 hours of memory to a PC for further analysis, comprehensive report generation, and storage.

Pure Functionality

A large LED display, integrated self-test, and easy-to-follow user interface provide advanced technology you can depend on. The convenient tri-color LED is enlarged for maximum visibility and for determining if repositioning and/or relocation of the sensor is required.

With the addition of the optional charger stand and a NiMH battery pack, the unit can be used for 45 hours or continuously on AC power (if left in the charging stand). The environment-friendly NiMH batteries provide superior performance without the undesirable memory behavior of NiCAD batteries. A charging time of 90 minutes or less eliminates the need for disposable batteries - reducing your operating costs.



optional charger

The PalmSAT 2500 features an easy battery access for your convenience - only 4 AA alkaline batteries needed.

Select Your Options



Many options allow you to customize the PalmSAT 2500 to meet your application needs. Choose from an array of Nonin disposable and reusable sensors, power options, software, and a tailored carrying case.

Please contact your authorized distributor for more information.

Specifications

Oximeter

Oxygen Saturation Range (%SpO ₂)	0% to 100%
Pulse Rate Range	18 to 300 pulses per minute
Displays	
Pulse Quality	LED, tri-color
Numeric Displays	3-digit 7-segment LEDs, red
Low Battery	LED, yellow
Accuracy (%SpO ₂) (±1 S.D.*)	
	70 - 100% ± 2 digits for adults using Finger Clip sensor
	70 - 100% ± 3 digits for adults using Flex, Flexi-form or Reflectance Sensors
	70 - 100% ± 4 digits for adults using Ear Clip Sensor
	70 - 95% ± 3 digits for adults neonates using infant or neonatal sensors
Pulse Rate	±3% ±1 digit
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	Four 1.5 V AA size alkaline batteries (100 hours typical operation) NiMH rechargeable battery pack (45 hours typical operation) AC power (charging stand)
Patient Isolation	> 12 Ω
Dimensions	1.3 x 2.8 x 5.4 in. (3.2 x 7.0 x 13.8 cm)
Weight	7.4 oz (210 g) with alkaline batteries 8.1 oz (230 g) with NiMH rechargeable battery pack
Warranty	3 years

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

Quality systems registered to ISO 9001:1994/EN 46001:1996, ISO 13485:1996, and CE self-marking 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 15 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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