

NONIN PalmSAT® Handheld Pulse Oximeter 2500



Nonin PalmSAT® 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.

- 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 – 213 grams for easy handling





PalmSAT® Handheld Pulse Oximeter 2500

Available Models

PalmSAT® 2500 Series Handheld Pulse Oximeter with choice of Sensor

No Alarm	Alarm	Description	No Alarm	Alarm	Description
NON-2500-AA	NON-2500A-AA	with - Reusable Adult Articulating Finger Clip Sensor - 1 Metre	NON-2500-SL	NON-2500A-SL	with - Reusable Soft Large Finger Sensor - 1 Metre
NON-2500-AA-2	NON-2500A-AA-2	with - Reusable Adult Articulating Finger Clip Sensor - 2 Metre	NON-2500-SL-3	NON-2500A-SL-3	with - Reusable Soft Large Finger Sensor - 3 Metre
NON-2500-AA-3	NON-2500A-AA-3	with - Reusable Adult Articulating Finger Clip Sensor - 3 Metre	NON-2500-Q2	NON-2500A-Q2	with - Reusable Ear Clip Sensor - 1 Metre
NON-2500-AP	NON-2500A-AP	with - Reusable Paediatric Articulating Finger Clip Sensor - 1 Metre	NON-2500-8000J	NON-2500A-8000J	with - Reusable Adult Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps
NON-2500-AP-3	NON-2500A-AP-3	with - Reusable Paediatric Articulating Finger Clip Sensor - 3 Metre	NON-2500-8000J-3	NON-2500A-8000J-3	with - Reusable Adult Flex SpO ₂ Sensor - 3 Metre & 24 Disposable FlexiWraps
NON-2500-SS	NON-2500A-SS	with - Reusable Soft Small Finger Sensor - 1 Metre	NON-2500-8001J	NON-2500A-8001J	with - Reusable Neonate Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps
NON-2500-SS-3	NON-2500A-SS-3	with - Reusable Soft Small Finger Sensor - 3 Metre	NON-2500-8008J	NON-2500A-8008J	with - Reusable Infant Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps
NON-2500-SM	NON-2500A-SM	with - Reusable Soft Medium Finger Sensor - 1 Metre			
NON-2500-SM-3	NON-2500A-SM-3	with - Reusable Soft Medium Finger Sensor - 3 Metre			

Accessories

SENSORS - See Nonin Pulse Oximeter Sensor Compatibility Guide		NON-nVision	nVISION Data Management Software
NON-2500C-04	PalmSAT Charger Stand & NiMH Battery Pack	NON-2500CC	Carrying Case

Specification

Dimensions	7.0 cm W x 13.8 cm H x 3.2 cm D			Measurement Wavelengths and Output Power**	
Weight	2500 210 grams (7.4 oz) (with alkaline batteries) 2500A 213 grams (7.5 oz) (with alkaline batteries)			Red	660 nanometres @ 0.8 mW maximum average
Warranty	3 years			Infrared	910 nanometres @ 1.2 mW maximum average
Oxygen Saturation Display Range	0 – 100% SpO ₂			Indicators	
Pulse Rate Display Range	18 – 321 beats per minute (BPM)			Pulse Quality Display	LED, tricolor
Saturation Declared Accuracy (A _{rms})*	70 – 100%			Numeric Displays	3-digit 7-segment LEDs, red
		Adults/Pediatrics	Neonates	Low Battery Indicator	LED, amber
No Motion	Finger Clip	±2 digits	N/A	Temperature	
	Flex	±3 digits	N/A	Operating	-20 to +50°C (-4 to +122°F)
Motion	Finger Clip	±3 digits	N/A	Storage/Transportation	-40 to +70°C (-40 to +158°F)
	Flex	±3 digits	N/A	Humidity	
Low Perfusion	Finger Clip	±3 digits	N/A	Operating	10 – 95% noncondensing
	Flex, Flexi-Form® II	±3 digits	±4 digits	Storage/Transportation	10 – 95% noncondensing
Pulse Rate Declared Accuracy					
No Motion	18 – 300 BPM			Altitude	
Motion	40 – 240 BPM			Operating	Up to 4,000 metres (13,123 feet)
Low Perfusion	40 – 240 BPM			Hyperbaric Pressure	Up to 4 atmospheres
		Adults/Pediatrics	Neonates	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)
No Motion	Finger Clip	±3 digits	N/A	Classifications per IEC 60601-1 / CSA601.1 / UL60601-1	
	Flex, Flexi-Form II	±3 digits	±3 digits	Type of Protection:	Internally powered (on battery power)
Motion	Finger Clip	±5 digits	N/A	Degree of Protection:	Type BF-Applied Part
	Flex	±3 digits	N/A	Mode of Operation:	Continuous
Low Perfusion	Finger Clip	±3 digits	N/A	Enclosure Degree of Ingress Protection:	IPX2
	Flex, Flexi-Form II	±3 digits	±3 digits		



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