

NONIN Handheld Pulse Oximeter 8500



Nonin 8500 handheld pulse oximeter provides an easy and accurate assessment of oxygen saturation and pulse rate from adults to neonates. Truly portable, this pocket-size handheld Oximeter will hold up in the most demanding environments. With 100 hours of battery life, the 8500 provides a cost-effective, environmentally friendly solution for your monitoring needs. The 8500M memory version offers 18 hours of data storage.

- Easy to Use – 3-button operation and bright LED displays
- Indication of Pulse Quality – Tri-color perfusion indicator
- Reliable – Proven Nonin PureSAT® pulse oximetry technology
- Choice – Memory (18 hours) and non-memory versions
- Outstanding Battery Life – 100 hours
- Durable – Extremely rugged construction
- Superior – Three-year warranty





Handheld Pulse Oximeter 8500

Available Models

Model 8500 Handheld Pulse Oximeter and choice of Sensor

NON-8500-AA	with - Reusable Adult Articulating Finger Clip Sensor - 1 Metre	NON-8500-SM-3	with - Reusable Soft Medium Finger Sensor - 3 Metre
NON-8500-AA-2	with - Reusable Adult Articulating Finger Clip Sensor - 2 Metre	NON-8500-SL	with - Reusable Soft Large Finger Sensor - 1 Metre
NON-8500-AA-3	with - Reusable Adult Articulating Finger Clip Sensor - 3 Metre	NON-8500-SL-3	with - Reusable Soft Large Finger Sensor - 3 Metre
NON-8500-AP	with - Reusable Paediatric Articulating Finger Clip Sensor - 1 Metre	NON-8500-Q2	with - Reusable Ear Clip Sensor - 1 Metre
NON-8500-AP-3	with - Reusable Paediatric Articulating Finger Clip Sensor - 3 Metre	NON-8500-8000J	with - Reusable Adult Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps
NON-8500-SS	with - Reusable Soft Small Finger Sensor - 1 Metre	NON-8500-8000J-3	with - Reusable Adult Flex SpO ₂ Sensor - 3 Metre & 24 Disposable FlexiWraps
NON-8500-SS-3	with - Reusable Soft Small Finger Sensor - 3 Metre	NON-8500-8001J	with - Reusable Neonate Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps
NON-8500-SM	with - Reusable Soft Medium Finger Sensor - 1 Metre	NON-8500-8008J	with - Reusable Infant Flex SpO ₂ Sensor - 1 Metre & 24 Disposable FlexiWraps

Model 8500M Handheld Pulse Oximeter, Alarm and Sensor

NON-8500M-AA	with - Reusable Adult Articulating Finger Clip Sensor - 1 Metre
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Accessories

SENSORS - See Nonin Pulse Oximeter Sensor Compatibility Guide		NON-0810-000	Carrying Case
NON-1271-000	Rubber Bumper	NON-2835-000	Table Top Stand

Specification

Dimensions	8 cm W x 15 cm H x 2.5 cm D			Measurement Wavelengths and Output Power**	
Weight	280 g (10 oz) with alkaline batteries			Red	660 nanometres @ 0.8 mW maximum average
Memory (Optional)	18 hours			Infrared	910 nanometres @ 1.2 mW maximum average
Warranty	3 years			Indicators	
Oxygen Saturation Display Range	0 – 100% SpO ₂			Pulse Quality Display	LED, tricolor
Pulse Rate Display Range	18 – 321 beats per minute (BPM)			Numeric Displays	3-digit 7-segment LEDs, red
Saturation Declared Accuracy (A _{rms})*	70 – 100%			Temperature	
		Adults/Pediatrics	Neonates	Operating	-20 to +50°C (-4 to +122°F)
No Motion	Finger Clip	±2 digits	N/A	Storage/Transportation	-30 to +50°C (-22 to +122°F)
	Flex	±3 digits	N/A	Humidity	
Motion	Finger Clip	±3 digits	N/A	Operating	10 – 90% noncondensing
	Flex	±3 digits	N/A	Storage/Transportation	10 – 95% noncondensing
Low Perfusion	Finger Clip	±3 digits	N/A	Altitude	
	Flex, Flexi-Form® II	±3 digits	±4 digits	Operating	Up to 12,000 metres (40,000 feet)
Pulse Rate Declared Accuracy				Hyperbaric Pressure	Up to 4 atmospheres
No Motion	18 – 300 BPM			Power Requirements	
Motion	40 – 240 BPM			Six 1.5V AA-size alkaline batteries. 100 hours maximum display brightness; 160 hours with normal brightness.	
Low Perfusion	40 – 240 BPM			Classifications per IEC 60601-1 / CSA601.1 / UL60601-1	
		Adults/Pediatrics	Neonates	Type of Protection	Internally powered (on battery power)
No Motion	Finger Clip	±3 digits	N/A	Degree of Protection	Type BF-Applied Part
	Flex, Flexi-Form II	±3 digits	±3 digits	Mode of Operation	Continuous
Motion	Finger Clip	±5 digits	N/A	Enclosure Degree of Ingress Protection	IPX2
	Flex	±3 digits	N/A	* ± 1 A _{rms} represents approximately 68% of measurements **This information is especially useful for clinicians performing photodynamic therapy	
Low Perfusion	Finger Clip	±3 digits	N/A		
	Flex, Flexi-Form II	±3 digits	±3 digits		



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