

8500 Series

Handheld Pulse Oximeter



Time-Tested Performance You Can Trust

The 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.



8500 Series

Product Highlights

- 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

Be confident the 8500 Series will live up to its rugged and reliable reputation.

- Accuracy you can trust in most challenging conditions, such as motion and low perfusion
- Built to last in the most demanding environments (certified for aeromedical use by the USAF)
- Tricolor perfusion indicator provides immediate feedback to assess pulse quality

Select Your Options

- nVISION® Data Management Software Windows®-based software provides seamless transfer of stored data for further analysis, report generation and storage (8500M)
- Serial to USB adapter for data transfer (Standard FTDI or Continua[™] compliant PHDC protocol options)



Accessories

- Carrying Case Maximizes portability
- Rubber Bumper *Provides additional* protection
- Mounting Bracket For wall or pole mount applications
- Stand *Increases flexibility of product* positioning
- PureLight® Sensors Available for a variety of placement sites
- PC Interface Cable Download data (8500M)





8500 Series fits all of these sensors:

Finger Clip Sensors:

8000AA-1, 8000AA-3, 8000AP-1, 8000AP-3,

8000SS, 8000SM, 8000SL

Soft Sensors:

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

Specifications

		8 cm (3") W x 15 cm (6") H x 2.5 cm (1") D	
•		3	th alkaline batteries
3 ' 1 '			
	Display Range		
	Range		
Saturation Declared	d Accuracy (A _{rms})*	70 - 100% SpO ₂	
		Adults/Pediatrics	
No Motion:	Finger Clip Flex	±2 digits ±3 digits	N/A N/A
Motion:	Finger Clip Flex	±3 digits ±3 digits	N/A N/A
Low Perfusion:	Finger Clip Flex Finger Clip Flex Finger Clip Flex, Flexi-Form® II	±3 digits ±3 digits	N/A ±4 digits
Pulse Rate Declared	l Accuracy		
No Motion			
Motion Low Perfusion			
Low Periusion		40 – 240 BPIVI	B1 4
No Motion:	Finger Clin	Adults/Pediatrics	Neonates N/A
NO MODION.	Flex Flexi-Form II	±3 digits	±3 digits
Motion:	Finger Clip	±5 digits	N/A
	Flex	±3 digits	N/A
Low Perfusion:	Finger Clip Flex, Flexi-Form II Finger Clip Flex Finger Clip Flex, Flexi-Form II	±3 digits	N/A
B.4 4 10/	riex, riexi-roiiii ii	±5 digits	±3 digits
Red	elengths and Output I	660 nanometers	⊕ 0.8 mW maximum avera
Infrared		660 nanometers @ 0.8 mW maximum averag 910 nanometers @ 1.2 mW maximum averag	
Indicators			@ ·- <u>-</u> ····
Pulse Quality Display			
Numeric Displays			
Temperature			
Operating		20 to +50°C (-4 to +122°F)	
	tation	30 to +50°C (-22	2 to +122°F)
Humidity		10 000/	
Operating Storage/Transportation			
3 1	tation	10 – 93% ΠΟΠΟ	nuerising
Altitude		Un to 12 000 me	sters (40 000 feet)
Operating Hyperbaric Pressure			
Power Requirements		Six 1.5V AA-size alkaline batteries.	
-			num display brightness;
Classifications was 150			ormal brightness.
	60601-1 / CSA601.1 /		ad (on hattery nower)
Type of Florection,		Internally powered (on battery power)	

Enclosure Degree of Ingress Protection:..... IPX2

 * \pm 1 Arms represents approximately 68% of measurements ** This information is especially useful for clinicians performing photodynamic therapy

Type of Protection: Internally powered (on battery power)
Degree of Protection: Type BF-Applied Part
Mode of Operation: Continuous

Specifications are subject to change without notice.

Nonin Medical, Inc.

13700 1st Avenue North Plymouth, MN 55441-5443 USA P+1.763.553.9968 TF 800.356.8874 F+1.763.577.5521

E info@nonin.com

www.nonin.com





