

**NONIN**  
Right. When you need it.™



**7500**  
*Series*

**Tabletop/Portable  
Pulse Oximeter**

[www.nonin.com](http://www.nonin.com)



7500



7500



## Product Highlights

- » **Convenient**  
Lightweight & compact
- » **Easy-To-Use**  
Bright LED displays and large display screen offer clear readability
- » **Durable**  
Rugged design
- » **Powerful**  
Over 70 hours of memory available for extended monitoring
- » **Versatile**  
Monitors neonate to adult patients in acute care to homecare environments
- » **Flexible**  
Use as a stand alone device or interface with other equipment

## Overview

NONIN's 7500 pulse oximeter has a unique low-profile design that enables it to fit easily on a tabletop or into its own carrying case. The stylish, compact 7500's simple functionality, minimum 16-hour battery life, 4-hour quick recharge, and minimum of 70 hours of memory makes it well-suited for a variety of clinical and homecare applications. Like all NONIN portable oximeters, the 7500 provides a wide range of display indicators that provide reliable readings.

The 7500's flexible alarm management options include patient security mode and a user-defined default that offers customizable patient settings. The 7500's analog output capability allows it to interface easily with other equipment.

## Magnetic Resonance (MR)

The 7500FO (fiberoptic) pulse oximeter was specifically developed for MR environments. The sensor is easy for technicians to apply by using the simple toe or finger wrap. NONIN kept patient safety in mind too. Radio frequency burns and image artifacts are virtually eliminated because of the 7500FO's fiberoptic sensor and cable design. Use in fixed-site or mobile MR facilities for monitoring infant, pediatric and adult patients.

7500FO



**Easy To Use. Economical. Reliable Performance.**



## User-Friendly Interface

The 7500 provides a variety of display indicators that ensure reliable readings.



### Pulse Strength Bar Graph

Color coded bar graph assists in assessing the patient's status. An audible tone sounds with each pulse. The pitch changes with the patient's saturation level.



### Pulse Quality Indicator

Detects patient movement or signal quality changes that may require sensor site stabilization.



### Sensor Fault Indicator

Indicates when a sensor has become disconnected, misaligned, failed, or is incompatible with the monitor.

A quick and complete assessment of your patient's oximetry readings is made easier with the combination of information supplied by the Pulse Strength Bar Graph, variable pitch pulse/saturation tones and Pulse Quality Indicator.



## Flexible & Versatile Alarm Settings

### Patient Security Mode

Locks alarm limits, volume and time/date settings, prevents unintentional changes and provides automatic recall of locked limits.

### Recall Function

Reinstatement of user's last customized alarm settings.

### User-Defined Defaults

Allows user to adjust the alarm limit and volume default settings to their specific requirements.



## The smart choice for:

- » spot-checking
- » continuous monitoring
- » patient transport

## Choose Your Options

### » Sensors

Use with NONIN's complete line of comfortable and reliable PureLight® sensors



### » Patient Cables

Optional use of right angle connector or sensor extension cables

### » Rolling Stand

The standard or deluxe 5-point stand increases portability

### » Carrying Case

Convenient for transport and storage

### » Fiberoptic Sensors

Use with the 7500FO only

### » Pole Mount System

Provides secure monitor placement

### » Data Management Software

7500 or 7500FO are compatible with nVISION® **nVISION**

### » Output Options

nVISION® Data Management Software for oximetry screening

### » PureSAT®

Signal Processing Technology

**NONIN**  
PureSAT® | SpO<sub>2</sub>





Right. When you need it.™

## Specifications

### 7500/7500FO Oximeter

<b>Oxygen Saturation Display Range:</b>		0–100% SpO <sub>2</sub>	
<b>Pulse Rate Range:</b>		18–321 BPM	
<b>Displays:</b>	<b>Pulse Strength:</b>	LED, Bar graph, tri-color segments	
	<b>Alarm Indicator:</b>	LED, bi-color	
	<b>Alarm Silenced:</b>	LED, amber	
	<b>Numeric Displays:</b>	3-digit, 7-segment LEDs, green	
<b>Low Battery:</b>		LED, amber	
<b>Saturation Accuracy (A<sub>rms</sub>)<sup>a</sup>:</b>		70–100%	
<b>NO MOTION</b>		<b>Adults/Pediatrics</b>	<b>Neonates</b>
Reusable:	Finger Clip	± 2 digits	± 3 digits
Disposable:	6000 Series	± 2 digits	± 3 digits
<b>MOTION</b>			
Reusable:	Finger Clip	± 2 digits	NA
<b>Pulse Rate Accuracy:</b>		18–300 BPM (no motion)	
		40–240 BPM (motion)	
		40–240 BPM (low perfusion)	
<b>NO MOTION</b>		<b>Adults/Pediatrics</b>	<b>Neonates</b>
Reusable:	Finger Clip	± 3 digits	± 3 digits
Disposable:	6000 Series	± 3 digits	± 3 digits
<b>MOTION</b>			
Reusable:	Finger Clip	± 5 digits	± 5 digits
<b>LOW PERFUSION</b>			
Reusable:	Finger Clip	± 3 digits	± 3 digits
Disposable:	6000 Series	± 3 digits	± 3 digits
<b>Memory:</b>		70 hours (assuming continuous operation)	
<b>Temperature (Operating):</b>		0° to +40°C (32°F to 104°F)	
<b>Temperature (Storage/Transportation)</b>		-30° C to +50°C (-2°F to 122°F)	
<b>Humidity (Operating):</b>		10–90% noncondensing	
<b>Humidity (Storage/Transportation):</b>		10–95% noncondensing	

<b>Altitude (Operating):</b>	Up to 12,000 meters (40,000 feet)
<b>Hyperbaric Pressure:</b>	Up to 4 atmospheres

<b>Power Requirements (Mains):</b>	100–240 VAC 50–60 Hz
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<b>Internal Power:</b>	
Battery:	7.2 volt NiMH battery pack
Operating Life (fully charged battery):	16 hours minimum
Storage Life:	21 days minimum
Recharge Rate:	4 hours maximum

<b>Dimensions:</b>	Approximately 219 mm (8.6") W x 92 mm (3.6") H x 142 mm (5.6") D
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<b>Weight:</b>	Approximately 900 grams (2 lbs) with battery
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<b>Warranty:</b>	1 year
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Classification 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

<b>Analog Outputs:</b>	
SpO <sub>2</sub> Output Range:	0–1 VDC (0–100% SpO <sub>2</sub> ), 1.27 VDC (out of track)
Pulse Rate Output Range:	0–1 VDC (0–300 BPM), 1.27 VDC (out of track)
Event Marker:	0 V (no event), 1 V (event occurred)
Accuracy:	± 2% (SpO <sub>2</sub> ), ± 5% (Pulse Rate)
Load Current:	2 mA maximum

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

Specifications are subject to change without notice.



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Your Entrusted Partner In Respiratory and Sleep Breathing Disorders Solutions

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