

NONIN
Right. When you need it.™



7500
Series

**Tabletop/Portable
Pulse Oximeter**

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®

» Output Options

nVISION® Data Management Software for oximetry screening

» PureSAT®

Signal Processing Technology

NONIN
PureSAT | SpO₂



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Specifications

7500/7500FO Oximeter

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

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

Power Requirements (Mains): 100–240 VAC 50–60 Hz

Internal Power:
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

Dimensions: Approximately 219 mm (8.6") W x 92 mm (3.6") H x 142 mm (5.6") D

Weight: Approximately 900 grams (2 lbs) with battery

Warranty: 3 years

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

Analog Outputs:
SpO₂ Output Range: 0-1 VDC (0–100% SpO₂), 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% (SpO₂), ± 5% (Pulse Rate)
Load Current: 2 mA maximum

^a ± 1 A_{rms} represents approximately 68% of measurements

Specifications are subject to change without notice.



Contact NONIN for availability.

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