



The **Vyaire Nonin 7500** is a portable pulse oximeter. The compact, lightweight design of the system makes it ideal for spot-checking, continuous monitoring, and during patient transport. The Nonin 7500 can be used to monitor patients ranging from neonates to adults. The Vyaire pulse oximeter has a 16-hour battery life and can hold up to 70 hours of memory. The bright LED display makes it easy to read a wide range of display indicators on the screen. The pulse Oximeter comes with an alarm system that comes with default settings along with the ability to customize the settings per patient.

Features

- Can be used on a variety of patients; neonates, pediatrics, and adults
- Bright LED display screen makes it easy and clear to read
- 70 hours of memory available
- An innovative alarm system that can be customized
- Can be used as a stand alone device or it can be combined with other equipment



Specifications

Dimensions

Height: 3.6 In (9.2 cm)
Width: 8.6 In (21.9 cm)
Depth: 5.6 In (14.2 cm)
Weight: 2 lbs (0.9 kg)

Oxygen Saturation Display Range

0–100% SpO₂

Pulse Rate Range

18–321 BPM

Saturation Accuracy

70–100%

Adults / Pediatrics

No Motion:

Reusable Finger Clip: ± 2 digits

Disposable 6000 Series: ± 2 digits

Motion:

Reusable Finger Clip: ± 2 digits

Neonates

No Motion:

Reusable Finger Clip: ± 3 digits

Disposable 6000 Series: ± 3 digits

Pulse Rate Accuracy

No Motion: 18–300 BPM

Motion: 40–240 BPM

Low Perfusion: 40–240 BPM

Adults / Pediatrics

No Motion:

Reusable Finger Clip: ± 3 digits

Disposable 6000 Series: ± 3 digits

Motion:

Reusable Finger Clip: ± 5 digits

Low Perfusion:

Reusable Finger Clip: ± 3 digits

Disposable 6000 Series: ± 3 digits



Specifications Continued

Pulse Rate Accuracy Continued

Neonates

No Motion:

Reusable Finger Clip: ± 3 digits

Disposable 6000 Series: ± 3 digits

Motion:

Reusable Finger Clip: ± 5 digits

Low Perfusion:

Reusable Finger Clip: ± 3 digits

Disposable 6000 Series: ± 3 digits

Memory

70 hours (assuming continuous operation)

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

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: $\pm 2\%$ (SpO₂), $\pm 5\%$ (Pulse Rate)

Load Current: 2 mA maximum

