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.

A variety of single-use and reusable sensors are available for use with the Model 7500. Nonin Medical’s PureLight® sensors produce accurate and dependable SpO₂ readings from patient-to-patient and sensor-to-sensor. Use only Nonin branded sensors.
Model 7500 Series

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

Magnetic Resonance (MR) Model 7500 FO

The 7500FO (fiberoptic) pulse oximeter was specifically developed for MR environments. Use in fixed-site or mobile MR facilities for monitoring infant, pediatric and adult patients.

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.

Specifications

- **Oxygen Saturation Display Range** – 0–100% SpO2
- **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)\(^\pm\) 70–100%
  - Adults/Pediatrics
  - Neonates
    - No Motion: Reusable Finger Clip ± 2 digits ± 3 digits
    - Disposable 6000 Series ± 2 digits ± 3 digits
    - Motion: Reusable Finger Clip ± 2 digits ± 3 digits
  - Adults/Pediatrics
  - Neonates
    - No Motion: Reusable Finger Clip ± 3 digits ± 3 digits
    - Disposable 6000 Series ± 3 digits ± 3 digits
    - Motion: Reusable Finger Clip ± 3 digits ± 3 digits
- **Pulse Rate Accuracy**
  - No Motion: ± 2% (SpO2), ± 5% (Pulse Rate)
  - Motion: ± 5% (SpO2), ± 3% (Pulse Rate)
  - Low Perfusion: ± 2% (SpO2), ± 2% (Pulse Rate)
- **Memory**
  - 70 hours (assuming continuous operation)
- **Temperature** (Operating)
  - 0°C to +40°C (32°F to 104°F)
  - Temperature (Storage/Transportation)
  - -30°C to +50°C (-22°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**
  - 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**
  - Class II (when on AC power with MPP30 battery charger), 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

Specifications are subject to change without notice.

\* ± A\(^\pm\) represents approximately 68% of measurements

Quality systems certified to ISO 13485, and CE per Annex II of EC Directive No. 93/42/EC as amended by 2007/47/EC.