

Automatically sends results via Bluetooth to our LifeGuard SmartHome and SmartKiosk systems

With the increased need for remote disease management, the Onyx II, Model 9560 with Bluetooth wireless technology, provides a pulse oximetry monitoring solution that simplifies the exchange of secure information. It enables remote monitoring of patients with chronic diseases such as Chronic Obstructive Pulmonary Disease (COPD), Congestive Heart Failure (CHF) or Asthma.

## Features

- Measurements can be sent automatically via Bluetooth to our LifeGuard SmartHome and LifeGuard SmartKiosk TeleHealth systems for monitoring by a Nurse in our Emergency Response Centre
- SmartPoint Technology - algorithm automatically determines when a high quality measurement is ready to be wirelessly transmitted and each measurement includes an indicator of quality
- Power Saver feature automatically adjusts transmitted power based on distance from the main unit. This unique feature allows for approximately 600 spot checks on 2 AAA batteries.
- Extended range of up to 100m
- Bluetooth 2.0 Technology
- Store and Forward Memory
- Built to last

## Specifications

- Oxygen Saturation Display Range: 0-100% SpO<sub>2</sub>
- Pulse Rate Display Range: 18-321 beats per minute (BPM)
- Oxygen Saturation Declared Accuracy Range (Arms\*): 70-100% SpO<sub>2</sub> ±2 digits
- Low Perfusion Oxygen Saturation Declared Accuracy Range (Arms\*): 70-100% SpO<sub>2</sub> ±2 digits
- Pulse Rate Declared Accuracy Range (Arms\*): 20-250 BPM ±3 digits
- Low Perfusion Pulse Rate Declared Accuracy Range (Arms\*): 40-240 ±3 digits
- This product complies with ISO 10993-1

### Measurement Wavelengths and Output Power†

- Red: 660 nanometers @ 0.8 mw maximum average
- Infrared: 910 nanometers @ 1.2 mw maximum average

### Temperature

- Operating: +41° to +104°F / 5° to +40°C
- Storage/Transportation: -40° to 158°F / -40° to +70°C

### Humidity

- Operating: 10-95% noncondensing
- Storage/Transportation: 10-95% noncondensing



### Altitude

- Operating: Up to 40,000 feet / 12,192 metres
- Hyperbaric Pressure: Up to 4 atmospheres

### Battery Life

- Operating: Approximately 600 spot checks
- Storage: 1 year, minimum

### Antenna Type

- L-shaped PWB ship-type antenna

### Transmitter

- Bluetooth Compliance: Version 2.0
- Operating Frequency: 2.4 - 2.4835 GHz
- Output Power: <20 dBm
- Operating Range: 100-metre radius indoors‡
- Network Topology: Star
- Operation: Bluetooth Slave
- Antenna Type: Internal
- Modulation Type: Gaussian Frequency Shift Keying

### Frequency Hopping Spread Spectrum

- Bandwidth: 1 MHz

*Specifications subject to change at discretion of INS LifeGuard or the manufacturer, Nonin Medical, Inc.*

\* ±1 Arms represents approximately 68% of measurements.

† This information is especially useful for clinicians performing photodynamic therapy

‡ Line of sight when connected to a Class I device.



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