PureLight® Sensors – Simply Brilliant

PureLight®

SpO$_2$ Sensors

The PureLight Principle

Accurate and dependable SpO$_2$ readings start with PureLight Sensors

Red and infrared light sources (LEDs) are essential to pulse oximetry sensors

- ✓ The red LED measures deoxygenated hemoglobin
- ✓ The infrared LED measures oxygenated hemoglobin

Common red LEDs may produce a secondary spectrum emission (contamination)

- ✓ Contamination impacts the oxygenated hemoglobin measurement
- ✓ LED contamination shifts the oximeter's calibration curve resulting in inaccurate SpO$_2$ readings below 80%

PureLight red LEDs only produce the pure light spectrum

- ✓ PureLight LEDs do not cause a shift in the oximeter's calibration curve at SpO$_2$ levels below 80%
- ✓ Nonin PureLight Sensors eliminate variations in readings from patient-to-patient and sensor-to-sensor

Reusable Flex SpO$_2$ Sensors with FlexiWrap®

Nonin's Flex Sensor System combines the convenience and performance of a disposable sensor with the economics of a reusable sensor. The reusable Flex Sensor, made of a durable silicone, is secured with a matching disposable FlexiWrap adhesive. This hybrid sensor system is ideal for numerous applications including extended monitoring and sleep studies. Available in sizes to fit neonates to adults, the Flex Sensor System is a great value for patient monitoring. Each sensor is packaged with 25 FlexiWraps (additional packages of 25 may be purchased separately).

Reusable Flex SpO$_2$ sensors with FlexiWrap:

- ✓ Proven PureLight LEDs for accuracy at critical SpO$_2$ levels
- ✓ Durability for repeated use
- ✓ Optimal performance in motion situations
- ✓ Cost-effective convenience
- ✓ Simple cleaning for ease-of-use
- ✓ Trim shape for comfort and contoured fit

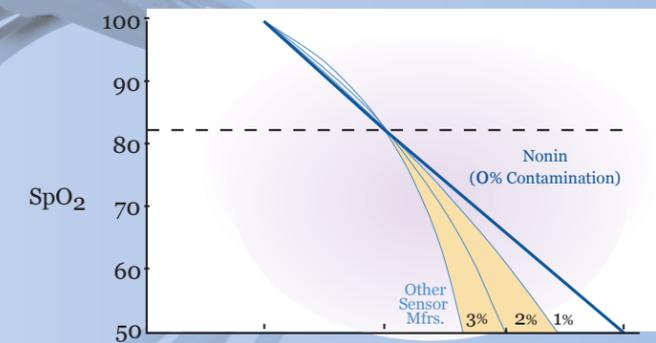| Sensor Type	1 meter	2 meter	3 meter	Extension Cable*
8000J	✓		✓	✓
8008J	✓			✓
8001J	✓			✓

*Optional Reusable Sensor Extension Cables are available in 1m, 3m, 6m and 9m lengths.

Product Highlights

- ✓ **Reliable** - *Consistent readings from sensor-to-sensor*
- ✓ **Accurate** - *PureLight LEDs in every sensor*
- ✓ **Functional** - *Various options for multiple site applications*
- ✓ **Versatile** - *Spot checking, short-term and extended monitoring*
- ✓ **Comprehensive** - *Full range of sizes for all patients*
- ✓ **Comfortable** - *Trim design, great fit & latex-free*

✓ *Where People Make the Difference*

Oximeter Calibration Curve

Nonin (0% Contamination)

SpO$_2$

Other Sensor Mfrs.   3%   2%   1%

100
90
80
70
60
50

Adult Flex System

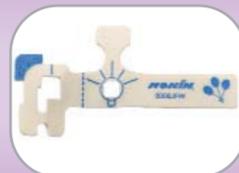8000J Adult Flex Sensor   +   8000JFW Adult FlexiWrap   =   Adult Flex System (> 20 kg / >44 lbs)

Infant Flex System

8008J Infant Flex Sensor   +   8008JFW Infant FlexiWrap   =   Infant Flex System (2 - 20 kg / 4 - 44 lbs)

Neonate Flex System

8001J Neonate Flex Sensor   +   8001JFW Neonate FlexiWrap   =   Neonate Flex System (< 2 kg / < 4 lbs)