



Every Patient. Every Time.

Nonin Oximetry Sensors

Count on Nonin.

Sensor Problems Interrupt Your Workflow

Technology Breakdowns Take Attention Away from Patient Care

Oximetry sensors must be able to withstand the physical and technical rigors of a fast-paced healthcare environment. But equipment problems are still too common:

Sensor cables that fall off or break take time to troubleshoot or replace, and increase labor and material costs

Ill-fitting or uncomfortable sensors can require repeated intervention, frustrating both patients and caregivers

Disposable sensors used in long-term monitoring require frequent replacement, wasting labor and materials



Dependable Equipment Keeps up with You

Sensors from Nonin are intended for use in the most demanding environments. They are designed to work wherever and whenever you need them, helping you provide the highest levels of care. First responders, nurses, and doctors trust Nonin products for unmatched durability.

Built for the Highest Standards

Nonin sensor and signal processing technologies provide proven accuracy and reliability in the widest range of patients and clinical settings.

Clinical Durability

In extensive testing, Nonin sensor cables withstood more than 50 pounds of force and still delivered consistent measurements.*

→ **50+**
LBS ←
OF FORCE

3X PRODUCT LIFE
VS. COMPETITION

Product Service Life

With an average product service life of 3 to 5 years, reusable Nonin sensors last three times longer than competing products.*

Time and Cost Savings

Converting from traditional disposable sensors to Nonin Durafoam single patient use sensors for long term monitoring, one facility significantly reduced sensor replacements—and saved 88% in sensor costs.

88%
COST
REDUCTION



Pulse and regional oximetry sensors from Nonin Medical are intended for use in the most demanding environments. They are designed to work wherever and whenever you need them, helping you maintain the highest standards of care.

Reliable Sensors for Real-World Demands



Spend Less Time on Equipment and More on Patients

Miami-Dade Fire Rescue is one of the 10 largest fire-rescue departments in the United States, with more than 65 fire-rescue stations serving 30 municipalities.

The department has more than 250 handheld oximeters in the field, and specifies Nonin 8000AA reusable sensors. In a study covering three years of use, only two of these sensors failed—a rate of 0.3 percent per thousand calls.

Time Period	Call Volumes	Sensor Failures	Failure Rate per 1000 Calls
Year 1	214,551	1	0.6%
Year 2	229,233	1	0.6%
Year 3	233,558	0	0
Total	677,342	2	0.3%

Nonin sensor and signal processing technologies deliver proven accuracy and reliability in a wide range of patients and clinical settings. For spot checks or continuous monitoring, Nonin SpO₂ and rSO₂ sensors provide proven, consistent results from patient to patient.

Nonin Sensor Advantages and Benefits

Pulse Oximetry Technology

PureLight® Sensor

Nonin pulse oximetry sensors use PureLight® LEDs, which produce a high-intensity pure light spectrum that eliminates variations in SpO₂ readings from patient to patient and sensor to sensor.

PureSAT® Signal Processing

Clinically proven PureSAT® pulse oximetry technology provides precise measurements—even in the presence of motion, low perfusion, or other challenging conditions.



Cerebral and Tissue Oximetry

Dual Emitters and Detectors

Nonin rSO₂ sensors use dual emitters and detectors, plus patented algorithms, to minimize interference from extraneous tissue, variations in skin pigmentation, and ambient light.

Sampling Rates & Display Update Speed

Nonin regional oximeters track changes in blood oxygen saturation levels, and display results within 2 seconds, to help clinicians make quick and confident treatment decisions.



A Complete Sensor Portfolio

For Pulse and Regional Oximetry Monitoring

Made to fit patients of all types, Nonin pulse and regional oximetry sensors range from reusable articulated fingertip models to single-patient-use foam and fabric designs to an innovative hybrid system that provides maximum patient comfort while minimizing material costs.

- Variety of sensor sizes, from neonate to adult
- Adhesive and non-adhesive sensor options
- Compatible with Nonin pulse and regional oximeters
- Ear clip and forehead sensors for special situations
- Range of cable lengths for different patient setups

Single Use Sensors



6000C Series



6500 Durafoam Series



7000 Flexi-Form III Series



SenSmart 8204CA



SenSmart 8004 Series

Reusable Sensors



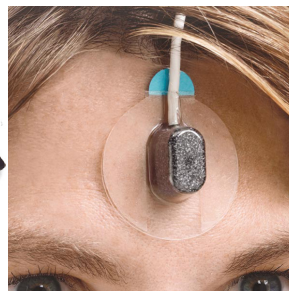
8000S Series



8000A Series



8000Q2



8000R



SenSmart 8100S Series

Hybrid-Reusable Sensors



8000J Series

Comparison Charts

Pulse Oximetry (SpO ₂) Sensors		Adult	Pediatric	Infant	Neonate
Single Patient Use Easy to position Designed for patient comfort	Cloth	✓	✓	✓	✓
	Foam	✓	✓	✓	✓
	DuraFoam (non-adhesive, extended use)	✓	✓		
Hybrid-Reusable Reusable sensor with single-use interface Balances patient comfort and cost	Flex	✓	✓	✓	✓
Reusable For spot checks or continuous monitoring Cost effective	Finger Clip	✓	✓	✓	
	Soft Sensor	✓	✓	✓	
	Forehead	✓	✓		
	Ear Clip	✓	✓		

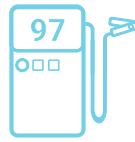
Regional Oximetry (rSO ₂) Sensors		Adult	Pediatric	Infant	Neonate
Disposable Easy to position For all patient sizes	Adhesive	✓	✓	✓	✓
	Non-adhesive			✓	✓
Hybrid-Reusable Reusable sensor with single-use interface Balances patient comfort and cost	Adhesive	✓	✓		

Count on Nonin



Performance

Responsive, reliable measurements you can trust in any situation



Products

Durable devices built to withstand repeated use for long-lasting performance



People

Dedicated sales, engineering and service support for over 30 years

To learn more about our technologies and products, visit [nonin.com](https://www.nonin.com)

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