Patient conditions can be unpredictable.
Pulse oximetry safety and accuracy shouldn’t be.

Using Nonin PureSAT® pulse oximeters together with Nonin PureLight® sensors is the only way to ensure you’re getting clinically proven SpO2 accuracy, consistency and reliability in the widest range of patients and settings. From light skin to dark skin. Neonates to adults. With motion and low perfusion. In sleep labs, hospitals and homes.

Patient to patient, Nonin Medical’s complete pulse oximetry systems are uncompromising.
DID YOU KNOW?

Mixing Nonin oximeters with other manufacturers’ sensors compromises Nonin’s clinically proven accuracy — and could compromise patient safety.

Beware of sensors claiming to be compatible with Nonin pulse oximeters. Nonin PureSAT oximeters are validated and cleared for use only with Nonin PureLight sensors, providing accurate readings for assessing:

- Hypoxia events related to potential sleep disorders
- Patients needing critical intervention in acute care settings
- Patients being monitored at home

Accuracy and safety depend on the complete pulse oximetry system performance.

ISO Standards 9919:2005 (2009) for pulse oximetry state that “pulse oximeter probes and probe cable extenders are as important in establishing the safety and accuracy of the complete pulse oximeter equipment as is the pulse oximeter monitor itself.” Nonin Medical is fully compliant in meeting this international quality standard.

IT’S A FACT

Only Nonin PureSAT® pulse oximeters and PureLight™ sensors provide clinically proven SpO₂ accuracy in the widest range of patients and settings.

Unlike some sensors that emit impure light which can shift oximeter calibration curves at SpO₂ levels below 80 percent, Nonin PureLight sensors emit pure, clean LED light to eliminate variations in readings from patient to patient and sensor to sensor. In addition, with Nonin Purelight sensors, accuracy is not degraded due to skin pigmentation.

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Reliable Measurments in Low Perfusion

Nonin PureSAT pulse oximetry technology uses pulse-by-pulse filtering to provide precise oximetry measurements — even in the presence of motion, low perfusion, and other conditions. By reading the entire plethysmographic waveform, PureSAT signal processing prefilters the pulse signals to remove undesirable signals. Advanced algorithms then separate the pulse signals from artifact and interference — leaving only the true pulse.

Industry-Leading Accuracy

Nonin demonstrates superior accuracy in the most challenging conditions (e.g., dark skin pigmentation).

Reliable, Consistent Readings from Patient to Patient and Sensor to Sensor

If you are not using Nonin sensors with Nonin oximeters, you risk incorrect calibration, which may result in inaccurate and inconsistent data.

CONSISTENCY/ACCURACY

Red/Infrared

Percent SpO₂

Nonin PureSAT only supports PureLight sensors having 0% contamination

0% Contamination

3% 2% 1%

Nonin PureSAT’s smart averaging technology automatically adjusts to each patient’s condition with three-second averaging or faster for quick, reliable readings on adult, pediatric, infant and neonate patients.

Elimination of False Alarms Due to Patient Movement

A comparison of Nonin’s PureSAT technology with conventional oximetry during a patient movement event shows that PureSAT’s signal processing locates the true pulse in motion.

Masimo

Nellcor

NONIN

Masimo

Nellcor

Nonin

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