8600 Series

Tabletop/Portable Digital Pulse Oximeter

Proven Reliability and Performance

The 8600 Series Tabletop/Portable Digital Pulse Oximeter provides a simple universal tool for patient monitoring. From transport applications to continuous monitoring, the 8600 has earned the confidence of medical professionals worldwide and is recognized for its reliability, durability and enduring performance. The 8600 is easy-to-use, easy-to-read, and can be mastered in minutes. The compact, lightweight design with built-in rechargeable battery makes it ideal for a variety of applications.

Models 8600/8600M

Product Highlights

- ✓ Reliable - *Proven digital pulse oximetry technology*
- ✓ Easy-to-Use - *Front mounted intuitive controls*
- ✓ Durable - *Extremely rugged, compact and lightweight construction*
- ✓ Efficient - *Long-life internal battery*
- ✓ Easy-to-Read - *Large LED displays, readable from a distance*
- ✓ Economical - *Cost-effective - a superb value*

Models 8600FO/8600FOM

Two models are also available for MRI use.

✓ *Where People Make the Difference*

NONIN®

PureLight® sensor & signal technology

PureLight® sensors produce the pure light spectrum which eliminates variations in readings from patient-to-patient and sensor-to-sensor. Accurate and dependable SpO_2 readings start with PureLight sensors.

NONIN's PureSAT® technology makes greater use of signal charactersitics for artifact rejection, using improved pulse detection technology for faster, more precise pulse detection and quick readings.

Pure Functionality

Models 8600/8600M (for environments other than MRI)

The 8600 (or the 8600M with optional memory) incorporates NONIN's proven digital pulse oximetry technology. It's well suited for hospital and transport applications, and is approved by the USAF for aeromedical use. Additional features include:

- ✓ User adjustable pulse tone that varies with changes in SpO_2
- ✓ User adjustable audible and visual pulse rate and SpO_2 alarms
- ✓ NONIN's tri-color perfusion indicator
- ✓ Long-life internal battery
- ✓ Optional 18-hour trend memory for saturation and heart rate (Model 8600M)

MRI Option

Models 8600FO/8600FOM (only for use with NONIN Fiber Optic Sensors and Cables; accessories available separately)

The 8600FO (or the 8600FOM with optional memory) is designed to meet the unique needs of MRI users for patient safety and image quality. With NONIN's Fiber Optic Sensors and Cables the risk of RF burns is eliminated, as well as the image artifact experienced with some MRI systems and conventional monitors. Use in fixed-site or mobile MRI facilities to monitor infants, pediatrics and adults.

Select Your Options

- ✓ Sensors - *Use with NONIN's complete line of PureLight® sensors & cables (Neonate, Infant, Pediatric, Adult)*

- ✓ Fiber Optic Sensors - *For use with the 8600FO or 8600FOM. Available finger and toe clips with Velcro® wraps in 20 and 30 foot cable lengths; for infants through adults.*

- ✓ Pole Mount System - *Provides secure monitor placement. (Standard on 8600FO/8600FOM, optional on 8600/8600M)*
- ✓ Carrying Case - *Convenient for transport and storage.*
- ✓ Data Management Software - *The 8600M or8600FOM is compatible with nVISION®*

Please contact your authorized distributor for more information.

Specifications

Oximeter

Oxygen Saturation Range (%SpO_2)	0% to 100%
Pulse Rate Range	18 to 300 pulses per minute
Displays	
Numeric Displays	3-digit LED's
Pulse Quality Indicator	Tricolor LED
Accuracy	
Blood Oxygen Saturation (%SpO_2)(±1 SD)*	70 - 100% ± 2 digits for adults using Finger Clip sensor 70 - 100% ± 3 digits for adults using Flex, Flexi-Form®, or Reflectance sensors 70 - 100% ± 4 digits using Ear Clip sensor 70 - 95% ± 3 digits for neonates using infant or neonatal sensors 70 - 100% ± 3 digits using Fiber Optic Sensors Below 70% is not specified.
Pulse Rate	±3%
Temperature	
Operating	+32° to +113°F (+0° to +45°C)
Storage/Transportation	-4° to +113°F (-20° to +45°C)
Humidity	
Operating	10% to 90% noncondensing
Storage/Transportation	10% to 95% noncondensing
Battery Operating Time	30 hours minimum from full charge
Battery Recharge Time	15 hours for fully depleted battery
Power Requirements for Recharge	120VAC/60Hz, standard 220VAC/50Hz, optional 110VAC/50-40Hz, optional (in MRI use battery operation only)
Dimensions (excluding Pole Mount System)	5.8" wide x 2.7" high x 7.5" deep 15 cm x 7 cm x 19 cm
Weight (excluding Pole Mount System)	2 pounds (.9 kg)
Memory (optional)	18 hours
Warranty	3 years

Classifications per IEC 60601-1/UL2601-1

Type of Protection	Class I (when on AC power with 300PS-UNIV battery charger) Internally powered (on battery power)
Degree of Protection	Type BF-Applied Part

*S.D. (Standard Deviation) is a statistical measure; up to 32% of the readings may fall outside these limits.

Quality systems are registered to ISO 13485:2003 and EC certificates per Annex II, clause 3 of EC Directive No. 93/42/EEC concerning medical devices.

CE 0123 c UL us 30EM UL2601-1

Specifications are subject to change without notice.

Your Partner of Choice

With over 20 years of experience and dedication to the design and support of noninvasive monitoring devices, NONIN has helped many medical professionals meet clinical and economic objectives. Trusted by clinicians worldwide, countless tests are performed every day on thousands of NONIN pulse oximeters in more than 125 countries. NONIN's dedication to technological leadership, precision manufacturing and uncompromised customer support ensures quality products and service you expect.

NONIN

www.nonin.com

Nonin Medical, Inc.
13700 1st Avenue North
Plymouth, MN 55441-5443, USA
Phone: +1.763.553.9968 Toll Free: 1.800.356.8874
Fax: +1.763.553.7807
info@nonin.com

✓ *Where People Make the Difference*

© 2005 Nonin Medical, Inc.
Nonin®, the Nonin Logo®, nVISION®, PureLight® and Flexi-Form® are registered trademarks of Nonin Medical, Inc.
P/N 3716-000-03