



9600 *Avant*[™]

**Tabletop/Portable
Digital Pulse Oximeter**



Product Highlights

- ✓ Easy-to-Use - *Bright LED displays, large display screen allows clear readability from across the room*
- ✓ Versatile - *Adaptable from Sub-Acute to Emergency Room & everywhere in-between*
- ✓ Powerful - *Longest memory available for extended monitoring*
- ✓ Flexible - *Impressive battery life with a quick recharge & convenient AC mains power*
- ✓ Intuitive - *Three distinct icons offer helpful indications of signal status*
- ✓ Convenient - *Compact, lightweight & durable*

Ultimate Versatility. Unparalleled Performance.

The stylish Avant 9600's simple functionality, quick recharge, and extraordinary 115 hours of memory makes it well-suited for a multitude of applications. Incorporating Nonin's proven digital pulse oximetry, the Avant 9600 offers concise performance combined with rugged durability. The 9600 provides a variety of display indicators to ensure reliable readings for easy patient evaluation. Flexible alarm management options feature locked, latched, unlatched and recall for customizable patient settings.

✓ *Where People Make the Difference*



Flexible & Versatile Alarm Settings

Latched Mode	Audible and visual indication of an alarm continues even after an event has ended, providing immediate indication of current readings along with extended awareness of vital changes.
Unlatched Mode	Audible and visual indication of an alarm state concludes when an event has ended, providing immediate indication of current readings.
Nurse Call	Facility's call indicator light system connects via cable connection, providing additional visual indication of alarms from a distance.
Recall Function	Reinstatement of user's last customized alarm settings, providing parameter continuity and time savings.
Patient Security Mode	Locks alarm limits, volume and time/date settings, prevents unintentional changes, provides automatic recall of locked limits.

Signal Quality

The Avant 9600 ensures ease-of-use with adjustable audible and visual display indicators.

Qualitative Pulse Strength Indicator - Nonin's unique tricolor feature provides an audible tone which coincides with pulses identified for assessment.



Pulse Quality Indicator - Appearing with subtle to dramatic changes in the patient's pulse quality, the amber indicator alerts to inconsistencies in the patient's SpO₂ perfusion.

Sensor Indicator - For added assurance, a sensor icon indicates the lack of sensor presence or the need for sensor adjustment.



Select Your Options

- ✓ Sensors - Use with Nonin's complete line of comfortable and reliable sensors
- ✓ Patient Cables - Optional use of right angle connector or sensor extension cables
- ✓ Nurse Call Cable - A variety of cables are available
- ✓ Rolling Stand - Standard or deluxe 5 point stand increases portability
- ✓ Carrying Case - Convenient for transport & storage
- ✓ Output Options - Includes analog and digital capabilities; compatible with nVISION™ Data Management Software for oximetry screening



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 Pulse Strength Indicator Pulse Quality Indicator
	3-digit LED's, Tricolor (red, green, amber) Tricolor LED segments Amber LED
Accuracy	Blood Oxygen Saturation (%SpO ₂) (±1 S.D.)* Pulse Rate
	70 - 100% ± 2 digits for adults using Finger Clip sensor ±3% ±1 digit
Temperature	Operating Storage/Transportation
	+32° to +122°F (+0° to +50°C) -22° to +122°F (-30° to +50°C)
Humidity	Operating Storage/Transportation
	10% to 90% noncondensing 10% to 95% noncondensing
Altitude	Operating
	Up to 40,000 feet
Power Requirements	Mains DC Input
	100-240 VAC 50-60 Hz 12 VDC 1.5A AC adapter
Internal Power	Battery Operating
	7.2 volt battery pack (6 cells) Minimum 12 hours of continuous operation with a fully charged battery pack
	Storage Recharge
	27 days 4 hours
Dimensions	7.25" wide x 5.5" high x 4.5" deep 18.4 cm x 14 cm x 11.4 cm
Weight (excluding Pole Mount System)	2.2 pounds (1 kg)
Memory	115 hours minimum
Warranty	3 years

Classifications per IEC 60601-1/CSA601.1/UL2601-1

Type of Protection	Class I (when on AC power with 300PS-UNIV battery charger) Class II (when on AC power with 300PS-NA, 300PS-EU, or 300PS-UK battery charger) Internally powered (on battery power)
Degree of Protection	Type BF-Applied Part
Enclosure Degree of Ingress Protection	IPX0
Mode of Operation	Continuous

Nurse Call

Maximum Voltage	30 V, AC or DC
Maximum Load Current	20mA
Output Impedance	320 ohms typical
Output	Normally Open or Normally Closed; switch selectable
Output Connector	0.141" miniature phone jack

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

Quality systems registered to ISO 9001:1994/EN 46001:1996, ISO 13485:1996, and CE self-marking per Annex II, Clause 3 of EC Directive No. 93/42/EEC concerning medical devices.



Specifications are subject to change without notice.

Your Partner of Choice

With over 15 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.



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