

# **Mont**

Tabletop/Portable Digital Pulse Oximeter



- ✓ Convenient Lightweight, compact & durable
- ✓ Easy-to-Use Bright LED displays, large display screen allows clear readability from across the room
- ✓ Versatile Monitor neonates to adults; acute care to bomecare
- ✓ Powerful Longest memory available for extended monitoring
- Flexible Use as standalone device or interface with an assortment of multi-parameter patient monitors
- ✓ Intuitive Three distinct icons offer helpful indications of signal status

# 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. 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 user-defined defaults for customizable patient settings. The 9600 can also be easily interfaced with various multi-parameter patient monitors.



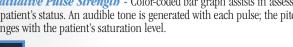
## **Flexible & Versatile Alarm Settings**

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.

### **User-Friendly Interface**

The Avant® 9600 provides a variety of display indicators to ensure reliable readings for easy patient evaluation.

**Qualitative Pulse Strength** - Color-coded bar graph assists in assessing the patient's status. An audible tone is generated with each pulse; the pitch changes with the patient's saturation level.





**Pulse Quality Indicator** - Detects movement or signal quality changes that may necessitate the need for sensor site stabilization.

Sensor Indicator - The sensor icon indicates the lack of sensor presence or the need for sensor attention.



A quick and complete assessment of your patient's oximetry readings is made easier with the combination of information supplied by the Qualitative Pulse Strength bar graph, variable pitch pulse/saturation tone and Pulse Quality Indicator.

#### **Select Your Options**

- Sensors Use with Nonin's complete line of PureLight® 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 nVISION® Data Management Software for oximetry screening
  - Portable thermal printer
  - Digital to Analog Converter Module
- Interface Options Interfaces with select multi-parameter patient monitors (see your Nonin distributor for a complete list of compatible monitors)

Please contact your authorized distributor for more information.

# **Specifications**

Oxygen Saturation Range (%SpO2) 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<sup>a</sup>
Blood Oxygen Saturation (%SpO<sub>2</sub> ±1 SD<sup>b</sup>)
No Motion: Adults, Pediatrics
Neonates 70 - 100% ±2 digits 70 - 100% ±3 digits Adults, Pediatrics 70 - 100% ±2 digits 70 - 100% ±3 digits Motion: Neonates Low Perfusion: Adults, Pediatrics Neonates 70 - 100% ±2 digits 70 - 100% ±3 digits

Pulse Rate No Motion 18 to 300 bpm  $\pm 3$  digits Motion  $60 \text{ to } 240 \text{ bpm } \pm 5 \text{ digits}$ Low Perfusion 60 to 240 bpm ±3 digits

Temperature Operating Storage/Transportation +32° to +122°F (+0° to +50°C) -22° to +122°F (-30° to +50°C)

Operating Storage/Transportation 10% to 90% noncondensing 10% to 95% noncondensing Altitude

Power Requirements 100-240 VAC 50-60 Hz 12 VDC 1.5A AC adapter DC Input

Internal Power 7.2 volt battery pack (6 cells) Minimum 12 hours of continuous operation with a fully charged battery pack 27 days Battery Operating

Storage Recharge

7.25" wide x 5.5" high x 4.5" deep 18.4 cm x 14 cm x 11.4 cm Dimensions

Weight (excluding Pole Mount System) 2.2 pounds (1 kg) 115 hours Memory Warranty 3 years

#### Classifications per IEC 60601-1/CSAG01.1/UL2601-1

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) Type of Protection

Continuous

Up to 40,000 feet (12,192 m)

Type BF-Applied Part Degree of Protection Enclosure Degree of Ingress Protection IPX0

#### Mode of Operation **Nurse Call**

Operating

Maximum Voltage 30 V, AC or DC Maximum Load Current 100mA Output Impedance 30 ohms max

Normally Open or Normally Closed; switch selectable Output

Output Connector 0.141" miniature phone jack

<sup>a</sup>Accuracy is expressed for adult patients and determined with the Reusable 8000AA Finger Clip Sensor and 8000J Flex Sensor. All accuracy specifications are results determined by induced hypoxia studies on healthy adult volunteers. Motion accuracy specifications apply to the 8000AA Finger Clip Sensor and 8000J Flex Sensor. The low perfusion specifications apply to monitor performance.

 $^{\rm b}$  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 marking per Annex II, Clause 3 of EC Directive No. 93/42/EEC concerning medical devices.

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Specifications are subject to change without notice.

#### **Your Partner of Choice**

With over 18 years of experience and dedication to the design and support of noninvasive monitoring devices, Nonin has belbed 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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