

Avant® 9700



Distinctive Displays – Dependable Performance

The plethysmographic waveform alters color as a real-time reflection of the patient's pulse signal quality — alerting you to patient changes.

The high-resolution color display compliments the signal quality indicators and LED values. The Avant 9700 combines flexible alarm options, unparalleled non-volatile memory, and Nonin's time-honored technology to give you an easy-to-use and efficient monitor.

A variety of single-use and reusable sensors are available for use with the Avant 9700. Nonin Medical's PureLight® sensors produce accurate and dependable SpO₂ readings from patient-to-patient and sensor-to-sensor. Use only Nonin branded sensors.



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Product Highlights

- Easy-to-Use Intuitive, color coded displays
- Versatile Monitor neonates to adults; acute care to homecare
- Flexible Patient Security Mode, Nurse Call and User-Defined Defaults
- **Convenient** Compact, lightweight and durable

User-Friendly Interface

The Avant 9700 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.

Flexible and Versatile Alarm Settings

Patient Security Mode	Locks alarm limits, volume and time/ date settings, preventing unintentional changes.	
Nurse Call	Facility's call indicator light system connects via cable connection.	
Latched Mode	Audible and visual indication of an alarm continues even after an event has ended.	
Unlatched Mode	Audible and visual indication of an alarm state concludes when an event has ended.	
Recall Function	Reinstatement of user's last customized alarm settings	
User-Defined Defaults	Alarm settings return to user customized settings on every power up.	

Authorized Distributor:

Specifications

Oximeter

Output Impedance . Output		Normally Open or Normally Closed; switch selectable 0.141" miniature phone jack
Output Impedance .		Normally Open or Normally Closed;
Output Impedance .		
		30 ohm (max)
Maximum Load Current		
Nurse Call		
_	i ingress Protection	IFXZ
Degree of Protection Enclosure Degree of Ingress Protection		,, ,,
		Internally powered (on battery power)
		battery charger)
		Class II (when on AC power with MPP30
	EC 60601-1/UL60601-	
•		,
Warranty		
Memory		
Weight (excluding Pole Mount System)		
		18.4 cm x 14 cm x 11.4 cm
Dimensions		
Recharge		•
Storage		battery pack and LCD backlight on .
		LCD backlight off . Minimum 8 hours of continuous operation with a fully charged
Operating		Minimum 12 hours of continuous operation with a fully charged battery pack and
Battery		
Internal Power		7.2 yelt batton, nrl. (CII-)
		12 VDC 1.5A AC adapter
Mains		
Power Requirement		
		Up to 40,000 feet (12,192 m)
Altitude		
Storage/Transportation		10% to 95% noncondensing
Operating		
Humidity		
Storage/Transportation		22° to +122°F (-30° to +50°C)
Operating		, ,
Temperature		
Low Perfusion		60 to 240 bpm ±3 digits
Motion		
No Motion		
Pulse Rate		
	Neonates	70–100% ±3 digits
Low Perfusion:		70–100% ±2 digits
		70–100% ±3 digits
Motion:		70–100% ±2 digits
		70–100% ±3 digits
No Motion:	Adults, Pediatrics	70–100% ±2 digits
Blood Oxygen Satu	ration (%SpO ₂ ±1 SD) ^b	
Accuracy ^a		, , , , , , , , , , , , , , , , , , , ,
LCD		
Pulse Quality Indicator		
Pulse Strength Indicator		Tricolor LED
Displays Numeric Displays		3-digit LEDs, Tricolor (red, green, amber)
Diamia		18 to 300 pulses per minute
Puise Kate Kange		10 1 200 1 1 1 1 1
	Range (%SpO₂)	

^{*} 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.

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

Nonin Medical, Inc.

13700 1st Avenue North

Plymouth, MN • 55441-5443 • U.S.A. Tel: +1.763.553.9968 1.800.356.8874

Fax: +1.763.577.5521 E-mail: info@nonin.com

nonin.com









 $^{^{\}text{b}}$ ±1 A_{rms} represents approximately 68% of measurements.