Simple Calibration

The Avant 2120 can be calibrated on-site using simple equipment and a flip of the switch located on the back of the unit. There is no need to send the unit in for routine calibration. As an added convenience, the Avant 2120 only requires calibration of the NIBP module once a year or every 10,000 cycles, whichever comes first.

Select Your Options

The Avant 2120 includes the option of dual voltage adaptability or battery operation (universal power pack) – providing a reliable power source for any application – anywhere. Its impressive battery life and quick recharge time make it a rugged workhorse. The Avant 2120 can also be customized to fit any application:

- Assorted Cuff Sizes - Fits a wide range of patients
- Rolling Stand - Standard or deluxe 5 point stand increases portability – Avant Series Product
- Sensors & Cables - Use with NONIN’s complete line of PureLight® sensors & cables (Neonate, Infant, Pediatric, Adult)
- Carrying Case - Convenient for transport and storage – Avant Series Product
- Pole Clamp - Mounts horizontal or vertical – Avant Series Product
- Output Options - nVISION® Data Management Software for oximetry screening
  - Portable thermal printer
  - Digital to Analog Converter

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, thousands of NONIN pulse oximeters are used every day on thousands of NONIN pulse oximeters in more than 100 countries. NONIN'S dedication to technological leadership, precision manufacturing and uncompromised support earns quality products and service you expect.

Please contact your authorized distributor for more information.

Specifications

**NIBP**
- Method of Measurement: Oscillometric
- Blood Pressure Range: Systolic: 40 mmHg to 260 mmHg
- No Motion: Adults, Pediatrics 70 - 100% ±2 digits
- Neonates 70 - 100% ±3 digits
- Oxygen Saturation Range (%SpO2) 0% to 100%
- Accuracy: ±3 mmHg between 0 mmHg and 300 mmHg for operating conditions between 0°C and 50°C. (S.D. of 8 mmHg)

**Oximeter**
- Oxygen Saturation Range (%SpO2) 0% to 100%
- Accuracy: ±1 SD (Standard Deviation) is a statistical measure; up to 32% of the readings may fall outside these limits.

**System**
- Temperature: Operating / Storage: +32° to +122°F (+0° to +50°C) / -4° to +113°F (-20° to +50°C)
- Altitude: No Motion: 40 to 240 bpm ±3 digits
- Battery Life: 7.2 volt battery pack (6 cells) or 12 VDC AC adapter
- Weight: 2.8 lbs with batteries (1.3 kg)
- Dimensions: 4.5 x 7.5 x 5.4 in.

**Classifications per IEC 60601-1/UL2601-1**
- Type of Protection: Class I (when on AC power with 300PS-UNIV battery charger)
- Power Requirements: 12 volt battery pack (6 cells) or UL-12 VDC adapter
- Mode of Operation: Continuous
- Method of Measurement: Oscillometric

Product Highlights

- Dual Functionality - NIBP & SpO2 monitoring
- Flexible - Automated and on-demand NIBP measurements
- Adjustable Pressure - User or system-defined dynamic inflation pressure
- Cost Effective - Quick on-site user calibration
- Efficient - Dual voltage adaptability or battery operation; quick recharge
- Comprehensive Data Capture - Ideal for extended monitoring

Where People Make the Difference
Individual alarm parameters may be easily modified to meet the dynamics of your patient population. The Avant 2120 offers a variety of options to ensure you get the data needed to monitor the patient effectively – even in the most challenging situations.

**Proven Technology**

The NIBP module features an oscillometric blood pressure method providing fast, motion-tolerant readings. Oscillating pulsations in the arterial wall are filtered and amplified to create an oscillometric waveform.

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

**User-Friendly Interface**

The Avant 2120 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.

**Measurement Versatility**

The Avant 2120 is a multi-purpose device offering both noninvasive blood pressure (NIBP) and proven pulse oximetry monitoring – all in one compact, lightweight and easy-to-use portable unit. Offering maximum versatility in patient monitoring, the Avant 2120 is designed for effortless mobility – by easily attaching the unit to a rolling stand or simply carrying it with its integrated handle.

**Flexible NIBP & SpO₂ Alarms**

Individual alarm parameters may be easily modified to meet the dynamics of your patient population.

- **Customizable**
  - NIBP & SpO₂ Alarms
    - Easily adjust the high and low alarm parameters to meet your specific patient needs.

- **Recall Function**
  - Reinstatement of user’s last customized alarm settings.

- **User-Defined Defaults**
  - Alarm and volume settings return to user customized settings on every power up.

- **Reliable MAP Values**
  - Select the high and low mean arterial pressure (MAP) alarm values to provide a simple indicator of the patient’s current blood pressure status.