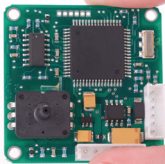


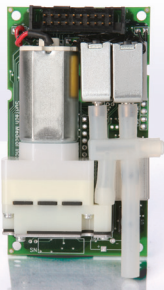
Reliable Blood Pressure, When & Where You Need It



Advantage 2.0



Advantage Mini



Advantage A+



+ Multiple NIBP Technologies Designed
For Specific Clinical Applications

+ Accurate Blood Pressure Monitoring
In Any Environment

ADVANTAGE™ SERIES OF OEM NIBP TECHNOLOGIES

SunTech Medical® , the global leader for OEM non-invasive blood pressure (NIBP) technology, presents the *Advantage* Series of OEM NIBP Technologies. Designed to meet specific needs for nearly all clinical applications and patient populations, the *Advantage* Series offers the simplicity of oscillometry with the most reliable, flexible and clinically accurate modules in the industry.

+ Features

Application Specific:

Flexibility & Customization:

Low Power Consumption:

Guaranteed Reliability:

OEM Support Team:

Up-to-date Compliance:

+ Benefits

Each *Advantage* technology is designed to provide quick, accurate and reliable blood pressures in the most challenging environments and patient populations.

Multiple module platforms, communication protocols, pump options and hardware configurations are available to seamlessly integrate with your clinical system. All *Advantage* modules are 3rd Edition and RoHS compliant.

Advantage modules require significantly less current than the competition, providing longer battery life and less down time for your customers.

Every *Advantage* module is fully tested in our facility and backed by a two year warranty.

SunTech Medical provides OEM partners with technical and clinical support for meeting international standards and regulatory requirements to ensure a successful integration.

All module technologies and platforms are 3rd Edition and RoHS compliant.

Which Advantage Technology Fits Your Application?



+ AdvantageSMT//Standard Motion Tolerance

SunTech Medical's standard NIBP technology is designed for most clinical monitoring applications. Currently used in many multi-parameter and ambulatory monitors, *AdvantageSMT* delivers proven clinical accuracy and patient motion tolerance customers have come to expect from *SunTech Medical*.



+ AdvantageHDM//Hemodialysis Monitoring

Researching characteristics and complications unique to hemodialysis monitoring has allowed *SunTech Medical* to provide reliable NIBP for renal disease patients even in the presence of changing blood volumes and compromised physiologies.



+ AdvantageKSK//Kiosk

Kiosk health stations often use a unique blood pressure cuff and special enhancements to meet the requirements for being a public-use device. *SunTech Medical* has been supplying kiosk-specific, clinical-grade NIBP solutions to the health kiosk market for more than 10 years. Our KSK technology is used in health kiosks throughout the world.



+ AdvantageTMT//Transport Motion Tolerance

SunTech Medical has collaborated with ambulance and helicopter EMS services to develop a technology specifically for ground and air transport conditions. Motion and noise artifact in these environments is effectively rejected to allow quick and accurate blood pressure readings during the most critical of times.



+ AdvantageRMT//R-Wave Motion Tolerance

Using the same principle of R-wave gating (ECG gating) utilized on *SunTech Medical's* Tango+™ treadmill stress monitor, virtually all motion and noise artifact is quickly rejected to isolate arterial pulses and provide reliable NIBP monitoring in the most challenging patient motion environments. Currently only available on the A+ platform.



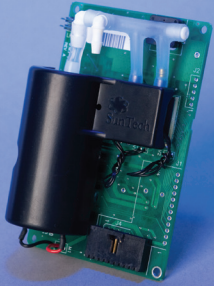
+ AdvantageVET//Veterinary Monitoring

While other NIBP providers apply their human technologies to the veterinary market, *SunTech Medical* developed this automated NIBP technology in cooperation with a leading veterinary medical school specifically for the veterinary healthcare industry.

ADVANTAGE OEM NIBP MODULE PLATFORMS

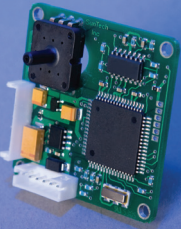
Which Advantage Platform is Right For You?

Advantage 2.0



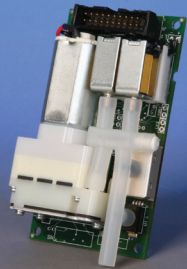
- Most popular OEM module platform
- Appropriate for most clinical applications and environments
- Adult, Pediatric and Neonatal modes
- RS232 & TTL communication
- Best value solution
- 3rd Edition and RoHS compliant

Advantage Mini



- Functionally equivalent to the 2.0 with the same features, control and performance
- Off-board mounting of pump and valves supports customized configurations
- Small module footprint allows various integration options
- Best choice for space limited applications
- 3rd Edition and RoHS compliant

Advantage A+



- Performance for the most challenging clinical applications
- Automatic long and short-term measurement modes
- High and low voltage power options
- RS232, TTL and I²C communication protocols
- Advantage RMT (R-wave Motion Tolerance) capable
- Smallest complete NIBP module available
- 3rd Edition and RoHS compliant

BLOOD PRESSURE CUFFS AND ACCESSORIES

How Can SunTech Medical Complete Your NIBP Solution?

Cuffs: SunTech[®] offers a full line of general and specialty use blood pressure cuffs to meet most every application, including, All-Purpose[™], Eclipse[™] D-ring, Disposable, Kiosk, Neonate, One Piece, and Orbit[™] ambulatory monitoring cuffs.

Connectors & Hoses: In order to meet a variety of unique customer needs, SunTech has evaluated and approved a wide range of pneumatic hoses and hose connectors to work with the Advantage Series.

Custom Labeling: Some cuff lines can be branded with your corporate logo to create product unity and build brand awareness. Minimum order quantities apply.



ADVANTAGE™ OEM NIBP MODULE TECHNICAL SPECIFICATIONS

| | Advantage 2.0 | | Advantage Mini | | Advantage A+ | |
|--|---|------------------------------|---|------------------|---|--|
| Physical Dimensions | | | | | | |
| Width | 2.73 in [69.3 mm] | | 1.6 in [40.6 mm] | | 2.0 in [50.8 mm] | |
| Length | 4.15 in [105.4 mm] | | 1.6 in [40.6 mm] | | 3.5 in [88.9mm] | |
| Height | 1.49 in [37.8 mm] | | 0.71 in [18.0 mm] | | 1.0 in [25.4 mm] | |
| Weight | 0.3 lbs [133 g] | | 0.2 lbs [88 g] | | 0.25 lbs [113.4 g] | |
| Measurement | | | | | | |
| Technique | Oscillometric | | Oscillometric | | Oscillometric | |
| NIBP Accuracy | Meets AAMI SP10-2002, EN 1060-4, ISO 81060-2 | | Meets AAMI SP10-2002, EN 1060-4, ISO 81060-2 | | Meets AAMI SP10-2002, EN 1060-4, ISO 81060-2 | |
| Patient Applications | Adult, Pediatric & Neonatal | | Adult, Pediatric & Neonatal | | Adult, Pediatric & Neonatal | |
| Systolic Range | | | | | | |
| Adult | 40 – 260 mmHg | | 40 – 260 mmHg | | 40 – 260 mmHg | |
| Pediatric | 40 – 230 mmHg | | 40 – 230 mmHg | | 40 – 230 mmHg | |
| Neonatal | 40 – 130 mmHg | | 40 – 130 mmHg | | 40 – 130 mmHg | |
| Diastolic Range | | | | | | |
| Adult | 20 – 200 mmHg | | 20 – 200 mmHg | | 20 – 200 mmHg | |
| Pediatric | 20 – 160 mmHg | | 20 – 160 mmHg | | 20 – 160 mmHg | |
| Neonatal | 20 – 100 mmHg | | 20 – 100 mmHg | | 20 – 100 mmHg | |
| Pulse Rate Range | 30 – 220 BPM (Beats per min) | | 30 – 220 BPM (Beats per min) | | 30 – 220 BPM (Beats per min) | |
| Pulse Rate Accuracy | ± 2% or ± 3 BPM, whichever is greater | | ± 2% or ± 3 BPM, whichever is greater | | ± 2% or ± 3 BPM, whichever is greater | |
| Transducer Accuracy | ± 3 mmHg over full range in operating conditions | | ± 3 mmHg over full range in operating conditions | | ± 3 mmHg over full range in operating conditions | |
| Operating Modes | Manual | | Manual | | Manual, Long-term automatic, Short-term automatic (STAT), Service | |
| Operating Conditions | 0°C to 50 °C, 15% to 95%, non-condensing humidity | | 0°C to 50 °C, 15% to 95%, non-condensing humidity | | 0°C to 50 °C, 15% to 95%, non-condensing humidity | |
| Storage Conditions | -20°C to 65 °C, 15% to 90%, non-condensing humidity | | -20°C to 65 °C, 15% to 90%, non-condensing humidity | | -20°C to 65 °C, 15% to 90%, non-condensing humidity | |
| Electrical | | | | | | |
| Operating Voltage | 5.3 – 14.5 VDC | | 5.3 – 14.5 VDC | | 5.5 – 14.5 VDC (High), 1.8 – 9.0 VDC (Low) | |
| Power Consumption | Using 6 VDC Nominal | | Using 6 VDC Nominal | | Using 6 VDC Nominal (High) or 3.3 VDC Nominal (Low) | |
| Sleep | 1.4 mW | | 1.4 mW | | 2.0 mW (High), 3.0 mW (Low) | |
| Idle | 180 mW | | 180 mW | | 372 mW (High), 430 mW (Low) | |
| Measurement | 1.0 W | | 1.0 W | | 1.3 W (High), 1.4 W (Low) | |
| Inflation | 3.8 W | | 3.8 W | | 3.7 W (High), 3.4 W (Low) | |
| Communication Protocols | Serial RS232 or TTL (5V) | | Serial RS232 or TTL (5V) | | Serial RS232, TTL (1.8, 3.3 or 5V) or I ² C ready | |
| Safety & Regulatory Standards | | | | | | |
| | IEC 60601-1-2:2005 (3rd Ed.) | IEC 60601-1-1:1997 (2nd Ed.) | IEC 80601-2-30:2009 | ISO 81060-2:2009 | EN 60601-2-30:2000 | |
| | AAMI SP10:2002 | EN 1060-1 A2:2009 | EN 1060-3 A2:2009 | EN 1060-4:2004 | YY0670:2008 | |
| Advantage Technologies | | | | | | |
| SMT (Standard Motion Tolerance) | ● | | ● | | ● | |
| TMT (Transport Motion Tolerance) | ● | | ● | | ● | |
| HDM (Hemodialysis Monitoring) | ● | | ● | | ● | |
| RMT (R-wave Motion Tolerance) | ● | | ● | | ● | |
| VET (Veterinary Monitoring) | ● | | ● | | ● | |



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To request an Advantage Development Kit, please contact your SunTech Medical Sales Representative.

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