CARDIEX

SUNTECH



SphygmoCor INSIDE

FDA CLEARED CE TGA

Oscar 2™

24-Hour Ambulatory

Blood Pressure Monitor

The Oscar 2™ system from SunTech Medical® sets the standard in 24-hour ambulatory blood pressure monitoring (ABPM) by utilizing proprietary motion-tolerant technology, meeting the highest clinical standards, optimizing patient comfort through innovation, giving clinicians practical interpretive analysis and incorporating the latest monitoring advances.

BETTER DATA, BETTER OUTCOMES

Ambulatory Blood Pressure Monitoring

In-clinic and home blood pressure measurements cannot provide the same depth of information that a 24-hour study provides. Several studies have shown that ambulatory blood pressure monitoring, when compared to clinic or home blood pressure measurement, is superior in predicting target organ damage, morbid events, or cardiovascular risk.

The data obtained from ambulatory blood pressure monitors is highly accurate and useful for managing a wide variety of hypertensive situations including:

- White-coat hypertension
- Resistant hypertension
- Masked hypertension
- Childhood hypertension
- Efficacy of anti-hypertensive drug therapy on a 24-hour basis
- Nocturnal hypertension
- Episodic hypertension and/or anxiety disorders
- Hypotensive symptoms
- Changes in diet and daily routine designed to reduce hypertension

SphygmoCor INSIDE

The SphygmoCor® technology enables the collection of vascular biomarkers alongside brachial blood pressures in ambulatory settings, including central systolic pressure, central pulse pressure and indices of arterial stiffness such as augmentation pressure and augmentation index.

These biomarkers are particularly valuable in understanding the dynamics of arterial health and the impact of various cardiovascular conditions on the arterial system. Additionally, research has shown their utility in guiding assessment of drug safety and efficacy and, ultimately, patient treatment.

These measurements are often used in clinical research, as well as in clinical practice for patients with hypertension, cardiovascular disease, or other conditions affecting arterial function.

Parameter Quick Reference

		SphygmoCor Oscar 2	Automated BP Monitor
Heart Rate (HR)	A beat-to-beat heart rate measurement on par with standard ECG-based methods. A consistently high resting heart rate may be a sign of coronary heart disease.	✓	✓
Brachial Blood Pressure	The pressure of blood at the brachial artery in the upper arm. High brachial blood pressure is a major risk factor for heart disease and stroke.	✓	✓
Central Blood Pressure (SP & DP)	The pressure of blood at the root of the aorta in the heart. cBP is a more accurate predictor of subclinical cardiovascular disease than traditional brachial blood pressure alone.	✓	
Central Pulse Pressure (PP)	The pressure which key organs like the heart, brain, and kidneys experience. It is used to identify the risk of end organ damage to major organs.	✓	
Augmentation Pressure (AP)	A marker indicating how stiff one's artery is. Elevated augmentation pressure is associated with cardiovascular risk factors.	✓	
Augmentation Index (AIx)	Another marker indicating how stiff one's artery is. It reflects the burden stiff arteries place on the heart.	✓	
Subendocardial Viability Ratio (SEVR)	The supply of blood that flows to your inner heart muscle in relation to demand. It offers insight into how well a person's heart can handle the stress of exercise.	✓	
Pulse Pressure Amplification (PPA)	The increase in amplitude of arterial pulse waves as they travel from central to peripheral arteries and provides insights into arterial stiffness, wave reflection, as well as the efficiency of blood flow distribution.	✓	

P = displayed in provider portal

ALL-DAY COMFORT AND MOBILE INTEGRATION FOR SUPERIOR PATIENT MONITORING

Orbit™ Blood Pressure Cuffs

SunTech's patented Orbit cuff is specifically engineered for ambulatory blood pressure monitoring applications. This cuff is designed with a soft sleeve that gently hugs the arm to maintain cuff placement and provide the ultimate in patient comfort for an extended period of time.predictor of adverse cardiovascular events.

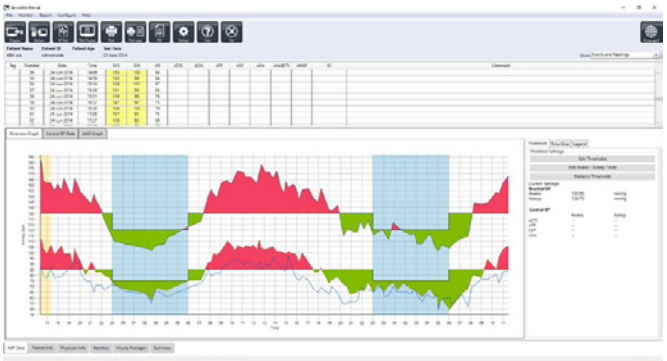
Monitoring PWV is instrumental in assessing vascular aging and guiding interventions aimed at preserving or improving overall cardiovascular health.



AccuWin Pro™ 4 Software

AccuWin Pro 4 is a user-friendly, Windows® based program that allows for configuration, analysis, interpretation and reporting of ABPM studies. You have the ability to rapidly decipher data, creating interpretive summaries, according to AHA, ESH, or JNC 7 guidelines, for:

- Automated analysis of ABP levels for normality
- White coat syndrome
- Overnight dipper status



Bluetooth with True24 (Optional):

The True24 patient diary mobile app* is designed to pair exclusively with the Oscar 2 ABPM device with optional Bluetooth. This easy-to-use app provides a tutorial on ambulatory blood pressure monitoring and prompts the patient to enter information about their activity, posture or symptoms experienced after a BP measurement is taken. This diary information is extremely valuable, further assisting clinicians with interpreting the ambulatory blood pressure study data and making hypertension treatment decisions.



*True24 available only in the Apple iPhone App store

Technical Specifications

The Oscar 2 System Includes

Oscar 2 monitor
AccuWin Pro™ 4 (AWP4) software (Download)
2 Orbit™ ABPM cuffs (Adult and Adult Plus) Carrying pouch & patient belt
USB interface cable
User guide
Standard 2-year warranty

True24 App for Bluetooth Systems

Available in the Apple App Store

General Specifications

Validations	BHS (A/A), ESH, ANSI/AAMI SP10:2002
BP Technique	Oscillometry with step deflation
BP Range	25-260 mmHg
HR Range	40-200 bpm
Sampling Periods	3 adjustable (awake, asleep, and special)
Time Intervals	5, 10, 15, 20, 30, 45, 60, 90 and 120 min.
Event Key	Program to allow additional patient readings
Data Storage	Flash memory stores up to 250 readings
Power Source	Two AA batteries
Weight	284 grams, including batteries
Dimensions	12 x 7 x 3 cm
PC Requirements	Serial or USB port, Windows® XP or later
App Requirements	Apple iPhone

CPT Codes for ABPM Reimbursement

CPT code: 93784	Ambulatory blood pressure monitoring utilizing a system such as magnetic tape and/or computer disk, for 24 hours or longer; including recording, scanning analysis, interpretation, and report.