

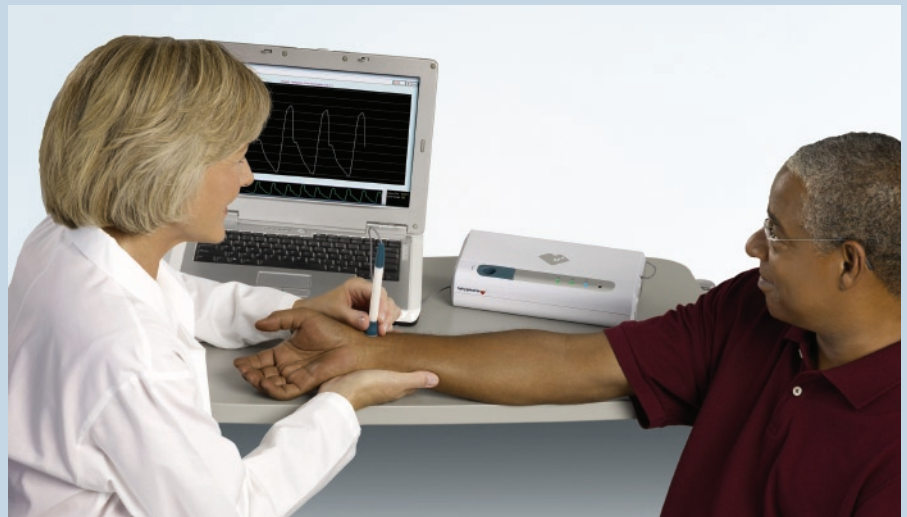


The SphygmoCor® CP System

The gold standard in noninvasive central blood pressure assessment

SphygmoCor technology is the gold standard for noninvasive measurement of central blood pressure. It has been featured in hundreds of published studies, and is used in leading medical centers and in pharmaceutical clinical trials worldwide.

The SphygmoCor CP system acquires the patient's radial pulse waveform through a measurement taken at the wrist, derives the blood pressure waveform at the ascending aorta and reports vital central blood pressure data.



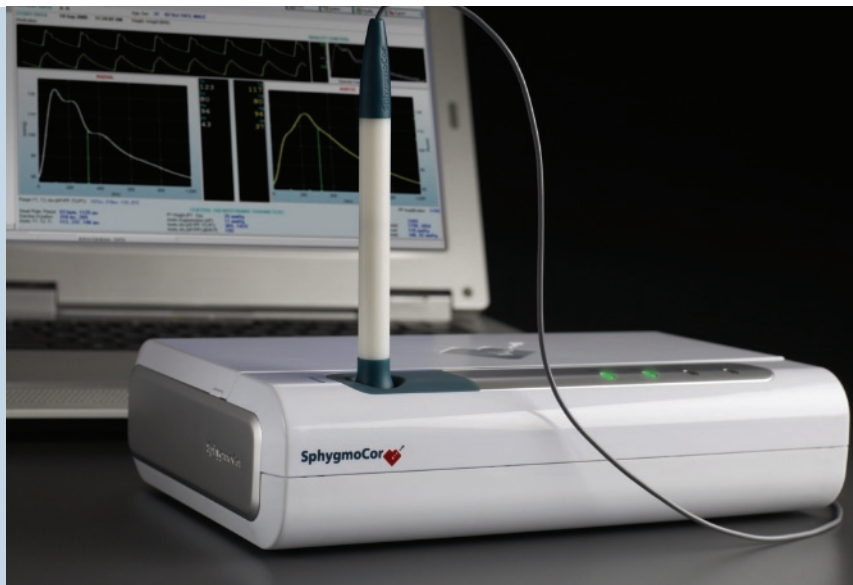
Offering

- Ascending Aortic Blood Pressure
- Aortic Augmentation Index
- Automatic, Instant Quality Assurance Feedback
- Aortic Pulse Pressure
- Ejection Duration

Central pressure has been proven to be a superior, independent predictor of cardiovascular events. SphygmoCor systems allow assessment of drug effects that cannot be detected with brachial blood pressure measurements, and provide patients with visual evidence of the effects of lifestyle changes and drug therapies.

System Specifications

SphygmoCor® CP System



SYSTEM SPECIFICATION

Product Configuration

PRODUCT	INPUTS
SCOR CP	Tonometer

Physical and Environmental Specifications

Operating Ambient temperature:	+15°C to 30°C (59°F to 86°F)
Operating Relative humidity	20% to 80%

Power supply (USB powered):	Supply Voltage	USB +5VDC
	Power Consumption	500 mA Max
	Protective Class	IEC Class I, II or Internally powered (Depends on Computer that module is connected to.
	Applied Parts	Type CF (ECG) Type BF (Tonometer)
	Power Connector	Via USB Type A Connector

Physical Specifications	Enclosure Material	PC-ABS
	Weight (Module & Tonometer)	0.8 kg (1.8 lbs)
	Dimensions	16.0 (l) x 26.4 (w) x 5.8 (h) cm 6.2" (l) x 10.4" (w) x 2.3" (h)

Input Signal Specifications

INPUT	SPECIFICATION	
Tonometer	Diffused semiconductor wheatstone bridge sensor	
	Sensitivity	5 μ V/V/mmHg
	Contact Pressure Range	0 – 300 mmHg
	Calibration	Calibrate with sphygmomanometer
	Reference Pressure	Atmosphere
	Bandwidth	DC – 40 Hz
	Sampling Rate	128 Hz
Gain & Offset Adjust	Auto	
Signal Range, Accuracy	10mV, \pm 5%	

ECG	Type	3-Lead (Lead II)
	Bandwidth	0.67 – 40 Hz (Device does not support extended low frequency response)
	Sampling Rate	PWV: 128 Hz HRV: 1024 Hz
	Gain & Offset Adjust	Auto
	Signal Range, Accuracy	\pm 5mV, \pm 20%
	Heart Rate Range	30 BPM to 200 BPM
	Heart Rate Accuracy	\pm 10%

Footswitch	Type	Micro-switch
	IP Rating	IPX8-1.0m

PC Interface Specifications

Minimum Computer Requirements.	SPECIFICATION
Minimum Computer Requirements.	IBM compatible PC or notebook computer with: <ul style="list-style-type: none"> • Pentium Processor P4 or greater • 1 GB RAM • 1024 x 768 256-colour XGA display • 60GB initial free hard disc space • CD-ROM drive • Windows standard printer drivers • Dedicated USB port • Windows XP Pro or Business Pro only • Vista Business or Vista Ultimate only • The SphygmoCor® EM3 is not supported on Windows NT/95/98/ME.
Interface	USB 1.1 serial interface USB Type B Female connector

Regulatory

- FDA clearance
- EU CE Mark (MDD, ANNEX II, Class IIa)
- MHLW, Japan
- TGA, Australia
- IEC 60601-1 / AS/NZS 3200.1 (amendments 1 and 2) Electromedical Equipment Safety standard
- IEC 60601-1-2 Electro-Medical Equipment, ElectroMagnetic Compliance (EMC) Standard

SphygmoCor
AtCor Medical

