



AtheroWinTM

Auto ABI - Automatic Ankle Brachial Index



'AtheroWin' is state of the art PC Windows* based sequential ABI (Ankle Brachial Index) analysis system with interpretation.

'AtheroWin' uses automatic sequential NiBP (Non-Invasive Blood Pressure) measurement of all four limbs. It automatically calculates Ankle brachial Index of both Right and Left lower limbs. Additionally, it displays and prints Oscillometric envelopes. These are established as independent markers of peripheral atherosclerosis.

'AtheroWin' also calculates mean Arterial Pressure, Pulse Pressure along with pressure waveforms of all limbs. All these parameters give a complete picture of peripheral vascular function of the patient. It is a very useful tool for prevention, detection, treatment and follow up of Peripheral Arterial Disease (PAD).

Windows* based 'AtheroWin' software and USB port communication with the handy 'AtheroWin' instrument turns any PC into a full-fledged Ankle Brachial Index Analysis system, with online real time graphs on screen. It gives a multicolor / B&W one-page report on A4 size paper. In-built patient database with more than 1000 patients memory helps to keep track of patient history. All at your mouse clicks in a very user-friendly 'AtheroWin' software.

FEATURES

- Versatile tool for diagnosis of peripheral arterial disease
- Automatic and precise calculation of ABI
- Automatic blood pressure measurement
- Works with Windows* 7 / 8 / 10 operating system
- Easy to operate software

TECHNICAL SPECIFICATIONS⁵

Blood Pressure

Method: Oscilometric
Pressure Detection: Semiconductor sensor
Pressure Display Range
Systolic: 40 - 240 mm Hg
Diastolic: 20 - 180 mm Hg
Heart Rate Range: 30 - 240 bpm

Test Method:

Fully automatic pressure recordings on all limbs sequentially

Database

MSAccess Easy Recall of any previous test

Data Acquisition

Sampling rate: 200 samples/sec
Resolution: 12 bit
Data storage: Raw data on HDD
Interface: USB

Physical Characteristics

Instrument Dimensions: 400 mm x 360 mm x 105 mm
Approximate Instrument Weight: 5.5 kgs

Power Requirements

Voltage 230 VAC \pm 10%
Frequency 50 Hz, Power Consumption 1.0 A maximum

PC Requirements

OS : Windows* 7 / 8 / 10
CPU : Celeron* 1.8 GHZ / i3 / i5 or better processor
HDD : 500GB
RAM : 2GB
Printer : Any Windows* Compatible Inkjet / Laser Jet Printer

RESULTS

Parameters:

Systolic BP for each limb
Diastolic BP for each limb
Pulse pressure for each limb
Mean Arterial Pressure for each limb
Left & Right Ankle Brachial Index

Pressure Waveforms:

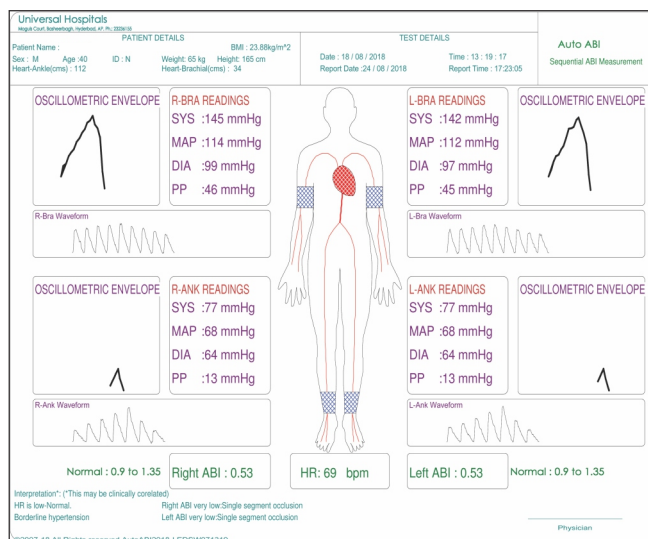
Right Arm
Left Arm
Right Ankle
Left Ankle

Result review and print:

Oscillometric Envelopes of all limbs

Interpretation:

Tachy / Bradycardia
Hypertension
Atherosclerosis



ENVIRONMENT REQUIREMENTS

Operating and storage Temp. 15°C to 45°C
Ambient Relative Humidity 15% to 90%, non- condensing
Operating and storage Pressure/Altitude 523 mm Hg to 760 mm Hg

\$ Specifications are subject to change without prior notice
* Laptop optional
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Since R&D is a continuous process, features & specifications are subject to change without notice.

Certifications | CE | EN ISO 13485:2016

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