

TensioMed Arteriograph

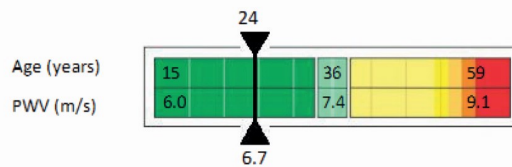
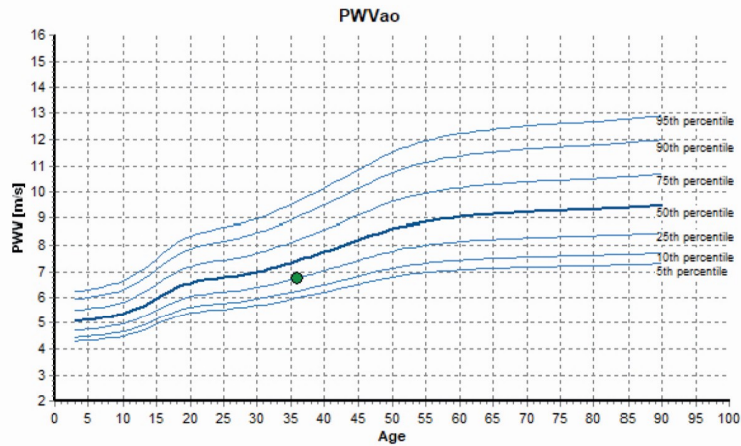
The Gold Standard Technology in Oscillometric Arterial Stiffness Measurement

The complex arterial function (stiffness) measurement with Arteriograph™ is as simple as an upper arm blood pressure measurement. This innovative device measures all the relevant arterial function parameters such as Aortic Pulse Wave Velocity (PWV_{ao}), Augmentation Index (A_{ix}) and Central Blood Pressure (SBP_{ao}) values simultaneously with the peripheral blood pressure. Arteriograph™ provides an easy, fast, accurate and user-independent method for assessing vascular age.



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PWV - Arterial Age Assessment


Arterial age: ~20-30 years ⁽⁸⁾

- > 90th percentile
- > 50 & ≤ 90th percentile
- ≤ 50th percentile

Measured Parameters:

- Peripheral (brachial) blood pressure (SBP, DBP, MAP, PP, HR)
- Central blood pressure (SBPao, PPao)
- Augmentation index (Aix aortic, Aix brachial)
- Aortic Pulse Wave Velocity (PWVao)
- Return time of aortic pulse wave (RTao)
- Left ventricle ejection duration (ED)
- Systolic area index (SAI)
- Diastolic area index (DAI)
- Diastolic reflection area (DRA)
- Ankle - Brachial index (ABI)

Easy	just like an oscillometric blood pressure measurement
Fast	as it takes only 3 minutes (including patient data input)
User Independent	as it is fully automatic - the user only has to start the measurement
Excellent Reproducibility	as it proved to be the lowest among non-invasive devices
Low Variance	as it proved to be the lowest among non-invasive arterial function assessing methods
Outstanding Cost-Benefit Ratio	among clinically accepted devices
Validated	to invasive and non-invasive measurements

Technical Specifications:

Power supply:	Four AA-long-life alkaline batteries	Weight:	250 g (including batteries)
Protection against electric shock:	Internal supply by batteries	Blood pressure measuring method:	Oscillometric
Grade of protection against electric shock:	BF type on patient's side	Sampling frequency:	200Hz
Display:	Liquid Crystal Display (LCD)	Blood pressure measuring limits:	30 - 280 mmHg
Data storage:	EEPROM	Static accuracy:	± 3mmHg or ±2% of the measured value (Stability:2 years)
Data transmission:	Bluetooth 2.0	Pressure sensor:	Piezo-resistive
Ambient temperature:	10 - 40 °C	Inflation:	Automatic motor-driven pump
Dimensions:	116x94x47 mm	Safety:	Maximum cuff pressure: 280mmHg
		Deflation:	Stepwise

Specifications subject to change without prior notice. Refer to the **TensioMed Arteriograph™** user's manual for complete description, instructions, warnings, cautions, and specifications