



# The premium tool for hypertension and cardiovascular care

## SupraSystolic Oscillometry

- central BP and brachial BP in less than 60s
- central pulse pressure wave analysis
- accurate, non-invasive and operator independent
- direct physics based algorithm
- easy to use, familiar with no training required
- affordable standalone device

Central blood pressure (cBP) is a more accurate marker of cardiovascular risk and outcomes, and a more appropriate target for interventions.

**A better way to measure blood pressure**



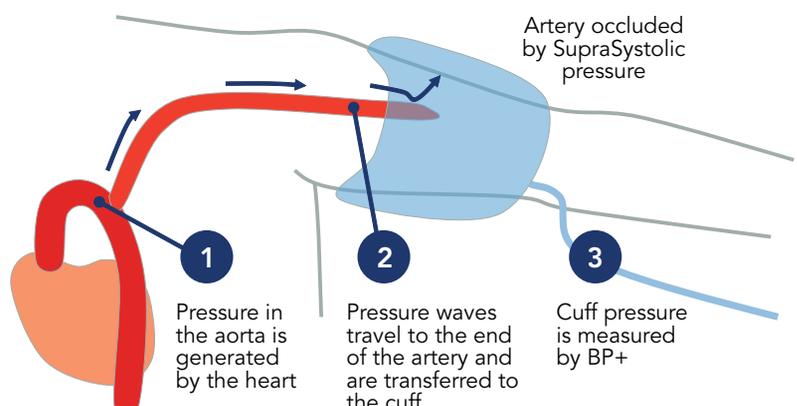
## Raising the standard of care to personalized assessment and treatment



### SupraSystolic Oscillometric Technology

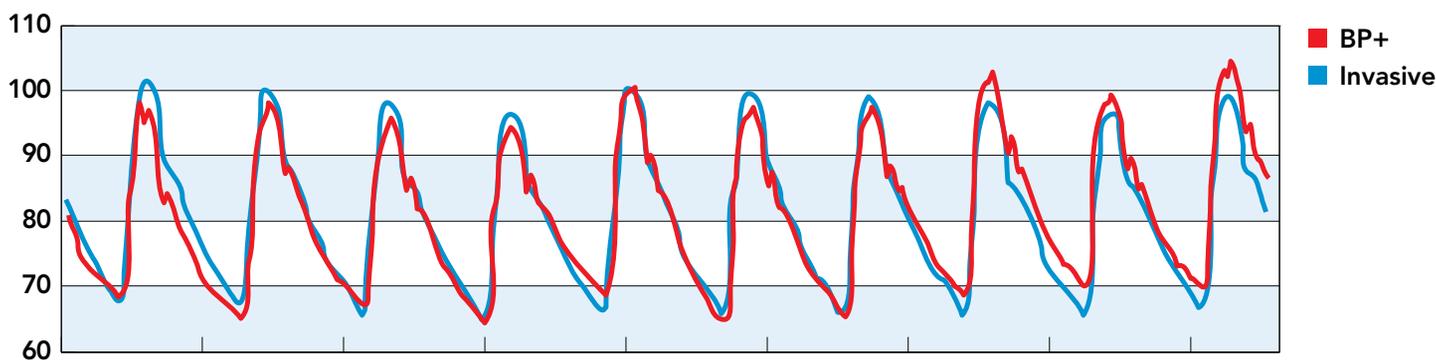
High quality signal acquisition and detailed analysis of the pulse pressure waveform

- ⊕ BP+ measures cBP by briefly holding the cuff 30mmHg above the measured systolic pressure, eliminating sub systolic noise to achieve excellent reproducibility and accuracy
- ⊕ BP+ uses a 1st principles model of the arterial system to reconstruct the entire central BP waveform and calculate the systolic and diastolic central BP



# Direct central pressure waveform

Accurate central BP waveform measurement without invasive catheters



## What to look for in a premium central BP and pulse wave analysis tool

### SupraSystolic technology

Pulse wave analysis is most accurate when the measurement is unaffected by radial-ulnar and peripheral circulatory variations

### Direct assessment

BP+ uses physics-based models, not cohort average transfer functions, or empirical statistical regressions that only apply to an "average" patient

### Realistic entire waveforms

BP+ waveforms show clear dicrotic notches and other morphologic features

### Aortic systolic, diastolic and mean pressures

Central systolic alone isn't the complete story

### Quality control

Automatic motion artefact and ectopic rejection, and a signal to noise ratio with physically meaningful units

### On-device calculations

No computer needed to measure

### Easy to use

With BP+ there is no specific operator training. Put on the cuff, press the button. It's that simple!

## BP+ features

- **Central Systolic and Diastolic Pressures**  
a better BP measure
- **Brachial Blood Pressure**  
an integral part of a BP+
- **Central Pulse Pressure Waveform**  
visual rhythm assessment
- **Pulse Wave Analysis<sup>1</sup>**
- **Augmentation index<sup>1</sup>**  
arterial stiffening and vascular age
- **Rhythm strip**  
easy identification of arrhythmias, ectopics and pulse pressure variations
- **Cardiac performance**  
early changes in shock and vasoconstriction
- **Invasive Validation**  
accurate and reproducible comparison against catheters
- **Internal Measurement Storage and Data Export Facilities**
- **Reimbursable Measure**  
1. Not available in the USA



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