

Ambulatory Blood Pressure Monitor

24-hour ambulatory blood pressure control with NBP-24NG enables a comfortable and unadulterated long-term measurement.



State-of-the-art design features:

- Day/Night key for individual sleeping time recording.
- Fourier analysis for assessment of the early morning rise in blood pressure.
- Auto-feedback logic for drastically reduced compression loan & enhanced comfort.
- Oscillometric measurement without sensors.
- Highest wearing comfort through minimal weight of only 240g including batteries.
- Wireless Bluetooth rapid transfer of measured values between the computer and monitor.
- Interfaces to information systems for clinics and MDs.
- Documentation and storage of 24/48 hours.

24hr ABPM with Pulse Wave Analysis

Pulse Wave Monitoring for Central Hemodynamic assessment and Risk Stratification of Arterial Hypertension

- Peripheral blood pressure
- Central aortic blood pressure
- Cardiac output
- Peripheral resistance
- Augmentation index (AIx)
- Augmentation pressure
- Reflection coefficient
- Pulse wave velocity (PWV)

Indications revealed through PWA

- Congestive heart failure NYHS 2-4
- Dilatative cardiomyopathy
- Therapy-resistant hypertension

The PWA algorithms have been validated against invasive¹ and non-invasive² reference methods.

Arterial Stiffness: a sensitive predictor

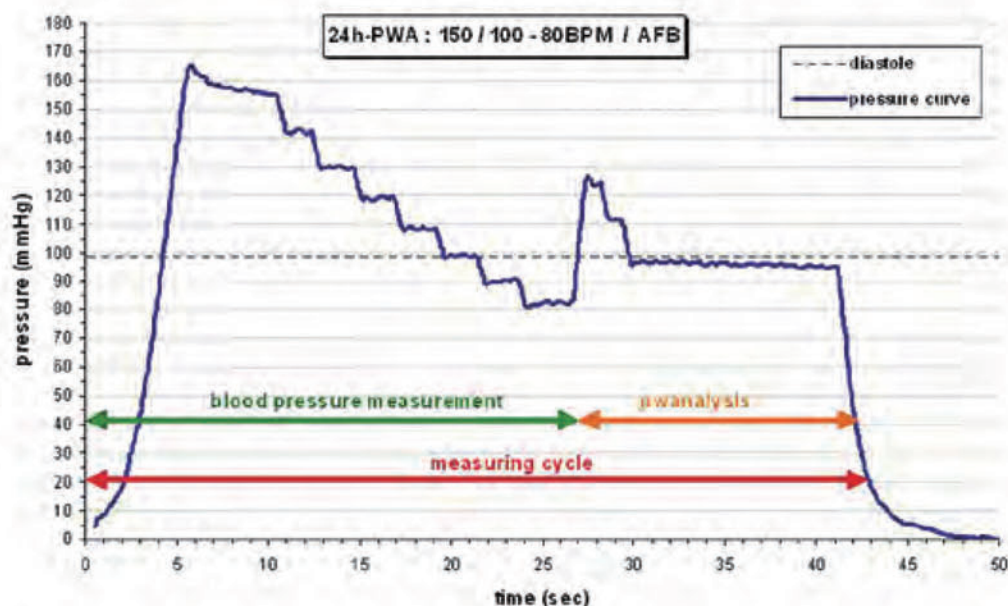
Mobil-O-Graph® – the PWA Monitor enables validated assessment of arterial stiffness over 24 hours, thus avoiding mistaken diagnoses based on single examinations.

Hemodynamics – An Aid to Clinical Decisions

24 hour hemodynamic monitoring enables, for the first time, a better insight into a patient's pathophysiology and provides clinical support for diagnosis and treatment.

HMS CS Analysis Tool

HMS CS is a desktop analysis tool for use in hospitals, physicians' offices and clinical research. Pulse Wave Analysis is displayed in tables and easy-to-follow graphical reports, providing a comprehensive statistical assessment.



Example of a PWA. The oscillometric blood pressure measurement is combined with Pulse Wave Analysis making it very convenient for the patient