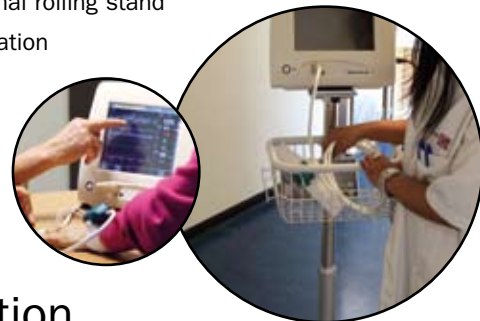


## Product features

- Intuitive touch screen user interface
- Data storage and review, data transfer via USB flash drive
- Analog blood pressure waveform output
- Portable with optional rolling stand
- Easy sensor application



## Configuration

### Two configurations are available:

- **Nexfin:** Continuous Non-invasive Blood Pressure Monitor
- **Nexfin HD:** Continuous Non-invasive Blood Pressure and Cardiac Output Monitor with complete real-time Hemodynamic Profiles

### The BMEYE Nexfin (HD) is a compact lightweight non-invasive device, consisting of:

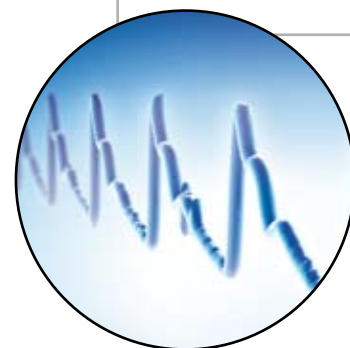
- Monitor unit with an intuitive touch screen user interface and internal data storage
- Small unit worn on the patient's wrist
- Two finger cuff sensors: small (S) and medium (M)
- USB flash drive, for data transfer to a PC
- Heart Reference System, which ensures accurate measurements always referenced to the level of the heart
- Desk stand mount
- User manual

### Additional accessories:

- Finger cuffs, available in 4 sizes
- Rolling stand

## Available signals

Signals	Nexfin	Nexfin HD
Continuous blood pressure waveform		
Beat-to-beat blood pressure signals: <ul style="list-style-type: none"><li>● SYS, systolic pressure</li><li>● DIA, diastolic pressure</li><li>● MAP, true mean pressure</li><li>● HR, heart rate derived from the pressure pulse</li><li>● IBI, interbeat interval</li></ul>		
Real-time Hemodynamics: <ul style="list-style-type: none"><li>● CO, cardiac output</li><li>● CI, cardiac index</li><li>● SV, stroke volume</li><li>● SVR, systemic vascular resistance</li><li>● dP/dt, maximum first derivative of the pressure</li></ul>		
● analog output providing continuous blood pressure waveform		



# BMEYE monitor series

Continuous, Non-invasive Cardiovascular Monitoring



Safe, precise and easy to use

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CE approved. The BMEYE Nexfin (HD) is not for sale in North America.  
Specifications are subject to change without notice.

## Nexfin

Continuous Non-invasive Blood Pressure Monitor

## Nexfin HD

Continuous Non-invasive Blood Pressure and Cardiac Output Monitor with complete real-time Hemodynamic Profiles

# BMEYE monitor series

Continuous, Non-invasive Cardiovascular Monitoring

The Nexfin monitors provide a compact and cost-effective solution for non-invasive continuous blood pressure monitoring for adult patients.

- The Nexfin monitor measures and displays arterial blood pressure (systolic, diastolic, mean) continuously in real-time.
- The Nexfin HD monitor, in addition, measures and displays beat-to-beat cardiac output and derived hemodynamics (HR, SV, SVR, dP/dt).

Both models of the Nexfin monitor feature all data displayed in real-time, trended continuously, and readily accessible for review.

## BMEYE's unique monitoring features

- Continuous Non-invasive Blood Pressure
- Continuous Non-invasive Cardiac Output
- Advanced hemodynamic profiles and reports
- Nexfin HD: Capable of providing both continuous non-invasive blood pressure, and continuous non-invasive cardiac output with a single sensor

### Continuous blood pressure

The BMEYE monitor uses technology established over more than 25 years for the continuous, non-invasive measurement of arterial blood pressure using a compact and simple cuff on the finger. Monitored parameters include systolic, diastolic and true mean pressure as well as heart rate. A heart reference system allows a patient to keep the monitored finger in any comfortable position, even if not at heart level by compensating for any gravitational hydrostatic effect. The system ensures patient comfort and accurate measurement regardless of the patient's position.

### Continuous Cardiac output and Hemodynamics

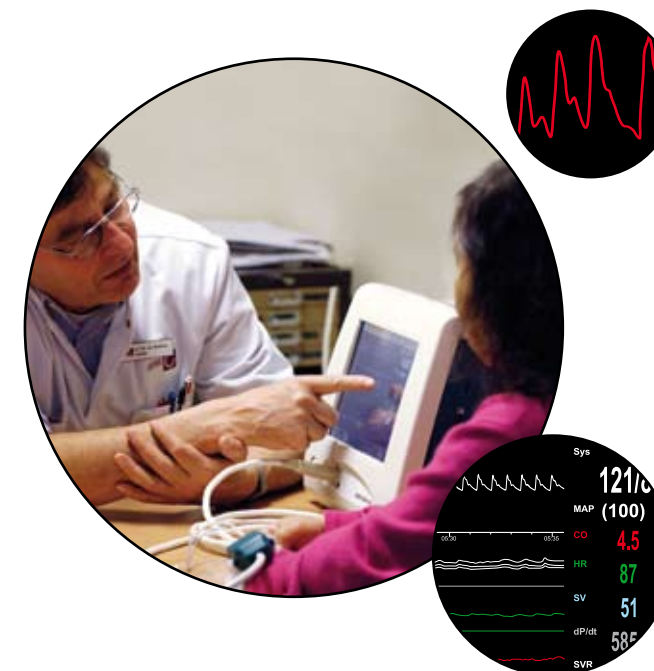
BMEYE proprietary algorithms, tested and refined for more than 25 years, provide the ability to measure continuous cardiac output from the same simple finger cuff sensor used for the blood pressure measurement. While continuously measuring blood pressure, the monitor calculates and displays cardiac output (CO), stroke volume (SV), systemic vascular resistance (SVR), and dP/dt in real-time.



## Key benefits

- **Patient safety**
  - No need for an arterial cannula with its known complications.
  - No requirement for injections of drugs, dyes or tracers.
  - Real-time continuous monitoring and trending provides the opportunity to correlate clinical observations precisely with clinical events, treatments and interventions.
  - Continuous monitoring and trending provides early warning of instability.
  - The non-invasive finger cuff is comfortable for the patient.
- **Enhanced patient flow and throughput**

Avoiding the use of invasive catheters and injections saves time, and avoids morbidity. Continuous monitoring and diagnostic precision streamline care, and make it more precise and titratable. These features also save nursing time usually spent on manual measurement and recording of blood pressure, cardiac output and other key data.



- **Diagnostic precision**

Immediate feedback on the impact of a diagnostic test or intervention for optimal management of patients' blood pressure, cardiac output, pharmacological treatment, or pacemaker settings.

- **Early warning, immediate response**

Real-time continuous monitoring of hemodynamic changes may herald the onset of unanticipated serious clinical events. Continuous monitoring affords clinicians the opportunity to respond immediately with precise and timely intervention.
- **Reduced costs**

True hemodynamic monitoring, especially continuous, generally requires the expensive resources of the ICU or costly and time consuming measurements with echo-cardiographic equipment. Now patients can have the same sophisticated monitoring non-invasively, in a more comfortable, lower acuity, and less costly setting. Thus, an unprecedented level of monitoring precision and safety is achieved in a substantially lower cost setting.
- **Easy, convenient and robust**

Application of the BMEYE finger cuff is simple and takes only seconds. The monitor itself is intuitive, easy to use, and fully portable. The technology is comfortable for the patient, insensitive to patient motion artifacts, and thus has unique applicability during exercise, for patients who are fully awake, and for transport.
- **Long-term recording**

The BMEYE monitor allows measurements of blood pressure or cardiac output that can range from a one-time spot check, to a period of several hours, and can be repeated as often as required. Thus while uniquely capable of addressing a serious in-patient population, the monitor also has practical application in the office or clinic, the laboratory, specific diagnostic testing (syncope e.g.), pacemaker optimization and exercise testing.

