

## Finapres Medical Systems

### ABOUT FINAPRES

Finapres Medical Systems B.V. is the leading technology for continuous non-invasive blood pressure measurement, autonomic testing and hemodynamics!

Finapres Medical Systems B.V., based in the Netherlands, develops and distributes medical devices and software for totally non-invasive hemodynamic monitoring.

**These devices are the result of over 30 years of research and user-experiences in this area of expertise!**

### FINAPRES TECHNOLOGY

The proven and worldwide well accepted Finapres® technologies are based on the most accurate and robust continuous non-invasive measurement of blood pressure and model based computation of cardiac output (Finapres® Modelflow®).

Many renowned research institutes as well as prominent hospitals like NASA, Harvard, John Hopkins and Mayo Clinic are currently using this Finapres® equipment.

### FINAPRES PART OF DEMCON GROUP

Finapres® is an associated company of the Demcon group, a developer, producer and supplier of high-end medical equipment solutions.



# The Finapres® NOVA

**FINAPRES MEDICAL SYSTEMS B.V.**

The Netherlands

Info: [info@finapres.com](mailto:info@finapres.com)

Sales: [sales@finapres.com](mailto:sales@finapres.com)



  
**2002**  
Established

  
**2500**  
Publications

  
**37**  
Distribution countries



# Creates solutions. Get yours.

The Finapres® NOVA is a non-invasive continuous blood pressure monitor that can be expanded any time with several hardware modules and software applications of your choice.

## APPLICATION FIELDS

1. Autonomic failure diagnosis
2. Hemodynamic evaluation
3. Physiology education
4. Sleep disorder research
5. Pharmaceutical research
6. Space flight research

## Finapres® NOVA Hardware configurations

### Finapres® NOVA Basic

The Finapres® NOVA Basic configuration collects the basic parameters for non-invasive continuous blood pressure measurements.

#### Hardware:

- NANO CORE® module with double finger cuff system
- 3 Finger Cuffs (small, medium, large)
- Height Correction Unit
- Upper arm module for brachial calibration
- Analog Input - Output module (2 in, 8 out)
- User manual

#### Parameters:

- Continuous non-invasive brachial and finger blood pressure
- Systolic, mean and diastolic pressure
- Heart rate and interbeat interval

### Finapres® NOVA ECG + Resp

#### Hardware:

The Finapres® NOVA ECG + Resp configuration has all functions and features as the Finapres® NOVA Basic plus an ECG module with respiration board. This hardware configuration can be ordered with a 3-lead ECG cable or a 5-lead ECG cable, available in both IEC and AHA color coding.

#### Parameters:

- 3-lead ECG: I, II, and III signals
- 5-lead ECG: I, II, III, aVR, aVL, aVF, and V1 signals
- Pulse rate & RR interval
- Respiratory rate & waveform (chest impedance)

### Finapres® NOVA SpO<sub>2</sub>

#### Hardware:

The Finapres® NOVA SpO<sub>2</sub> configuration has all functions and features as the Finapres® NOVA Basic plus a SpO<sub>2</sub> module for continuous non-invasive arterial oxygen saturation monitoring.

#### Parameters:

- SpO<sub>2</sub> value & waveform
- SpO<sub>2</sub> pulse strength
- SpO<sub>2</sub> heart rate

### Finapres® NOVA Full Options

#### Hardware:

The Finapres® NOVA Full Options combines all functions and features of the Finapres® NOVA Basic, Finapres® NOVA ECG + Resp and the Finapres® NOVA SpO<sub>2</sub>.

#### Parameters:

- Brachial and finger blood pressure parameters
- ECG parameters
- Respiratory parameters
- SpO<sub>2</sub> parameters