



Finapres Medical Systems

Physiology

*non-invasive hemodynamics*

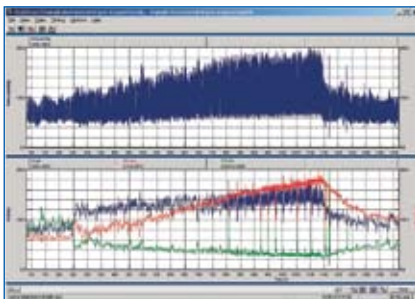


## Non-invasive ambulatory cardiovascular research made easy

Neurophysiologists, cardiovascular physiologists, sports physiologists, psychophysiologists as well as physiologists in other fields have a special interest in hemodynamics in relation to their expertise. Finapres devices are used in many research settings because of their accuracy, optimal trending possibilities and portability. On a daily basis our equipment is used in a range of services such as neurological, sports and occupational rehabilitation.

### Progress in patient performance made measurable

Returning quickly to competition or your workplace is important for your patients. Finapres Medical Systems products are widely used in research and clinical settings in neurological, sports, pediatric and occupational health rehabilitation services to measure the current status or progress in stroke volume (SV), total peripheral resistance (TPR) or cardiac output (CO).



**FIGURE 1** - shows stroke volume in blue, heart rate in red and total peripheral resistance in green from a 30 year old healthy male during an incremental bicycle ergometry test.



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## Cardiovascular research in space

The quality, portability and technology of Finapres systems are providing NASA top scientists the opportunity to perform hemodynamic research on the ground, in flight missions and during extended stays in space (ISS formerly MIR). The Portapres® has been on many missions providing important information for advanced research projects. Our Portapres® is used by NASA in space to evaluate the changes in the cardiovascular system during the microgravity conditions of spaceflight and aboard the ISS (International Space Station).



## Sleep through the night and monitor circulation concurrently!

Non-invasive beat-to-beat blood pressure monitoring provides important information about the circulation of patients during sleep. The Finometer® systems are widely preferred in comparison to arterial lines for patient comfort and to avoid possible infections. The Portapres® allows patients to sleep comfortably throughout the night. The dual cuff system makes it possible to switch between fingers on set intervals permitting continuous measurements for up to 60 hours.



## FMS, Finapres Medical Systems BV

**Corporate Address:**  
Paasheuvelweg 34a  
NL-1105 BJ Amsterdam ZO  
The Netherlands

**FMS Sales & Marketing**  
Tel: +31 20 697 2228  
Fax: +31 20 609 0677  
Email: sales@finapres.com

**FMS Customer Service**  
Tel: +31 20 609 0974  
Fax: +31 20 609 0677  
Email: info@finapres.com



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