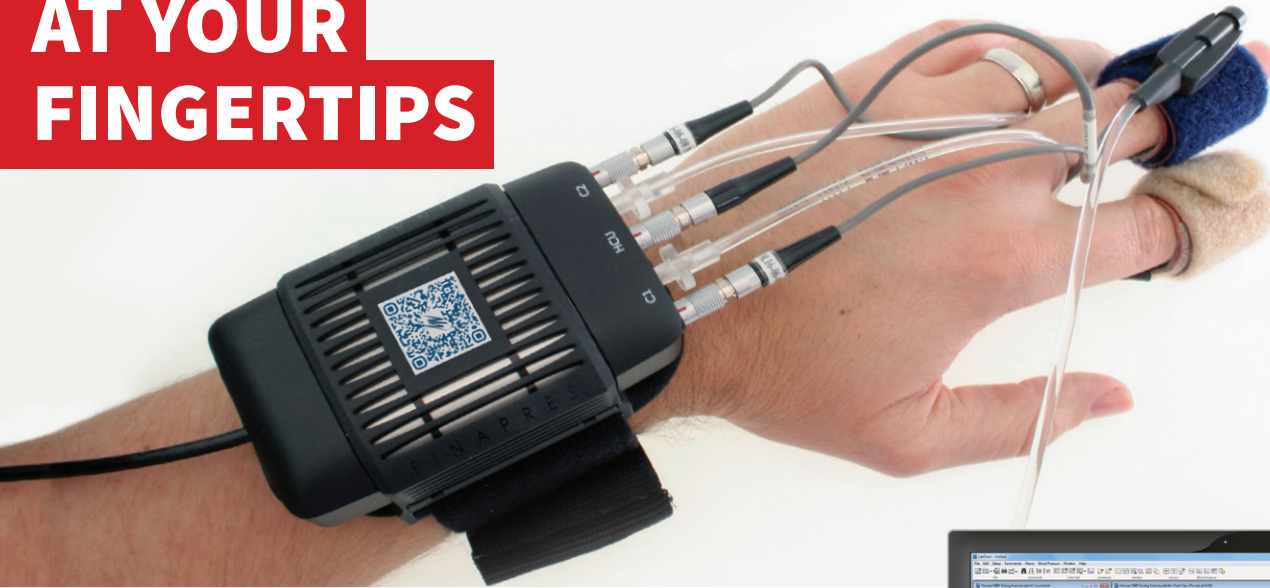


**RELIABLE DATA  
AT YOUR  
FINGERTIPS**

**ADINSTRUMENTS**  
making science easier

**FMS**  
Finapres Medical Systems



## Human NIBP Nano Non-Invasive Hemodynamics

ADInstruments Human NIBP Nano System combines the accuracy of Finapres technology with the flexible analysis of LabChart software.

### Measure non-invasive blood pressure continuously and comfortably

Dual finger cuffs and an adjustable cuff-switching mechanism make long sampling periods easy for you and comfortable for your subject. Capture continuous blood pressure data during sleep or exercise and monitor trends in response to interventions.

### Analysis is easier with all your data in one place

Record cardiac parameters including Systolic, Diastolic and Mean Arterial blood pressure directly into LabChart with the Human NIBP Nano System. Simultaneously acquire additional physiological signals by adding a PowerLab data acquisition system and stream all your data into one LabChart file for easy comparison and analysis.

### Easily estimate Cardiac Output in real time

LabChart's free Non-Invasive Cardiac Output (NICO) extension allows estimations of Cardiac Output, Stroke Volume and Total Peripheral Resistance to be calculated in real-time right in a LabChart channel. Proven, published algorithms are used to give you confidence in the results.

Human NIBP  
Nano System  
finger cuffs



**Screenshot:** Automated analysis of a real-time human blood pressure recording using LabChart's Blood Pressure Module software.

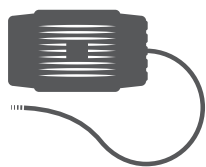
### System highlights

- Monitor trends in hemodynamic parameters continuously and non-invasively by following finger arterial pressure changes.
- Take advantage of the finger cuff switching mechanism for comfortable monitoring of short or long term trends.
- Automatically adjust for hydrostatic pressure changes due to movement with the Height Correction Unit (HCU).
- Get flexible, comprehensive data analysis with LabChart software.
- Continuously calibrate unloaded finger arterial size with AutoCal for simple initial setup and automatic adjustment of data.
- Certified safe for use on human subjects with strict adherence to international standards.
- Reliable for research, easy to use for education.

### Applications include:

Cardiorespiratory Studies • Exercise Physiology • Hemodynamic Studies • Hypertension  
Polysomnography (Sleep studies) • Psychophysiology

The ADInstruments Human NIBP Nano System includes:



1 x Human NIBP Nano Wrist Unit



1 x HCU (Height Correction Unit)



Human NIBP Nano Interface



1 x Finger Ruler



Quick Start Guide



Your choice of Finger Cuffs (s/m/l) purchased separately

**LabChart Pro**

LabChart Pro Data Analysis Software purchased separately

## Specifications

### Human NIBP Controller

Dimensions 55 × 120 × 260 mm (h x w x d)  
Weight 1.4 kg

### Wrist Unit

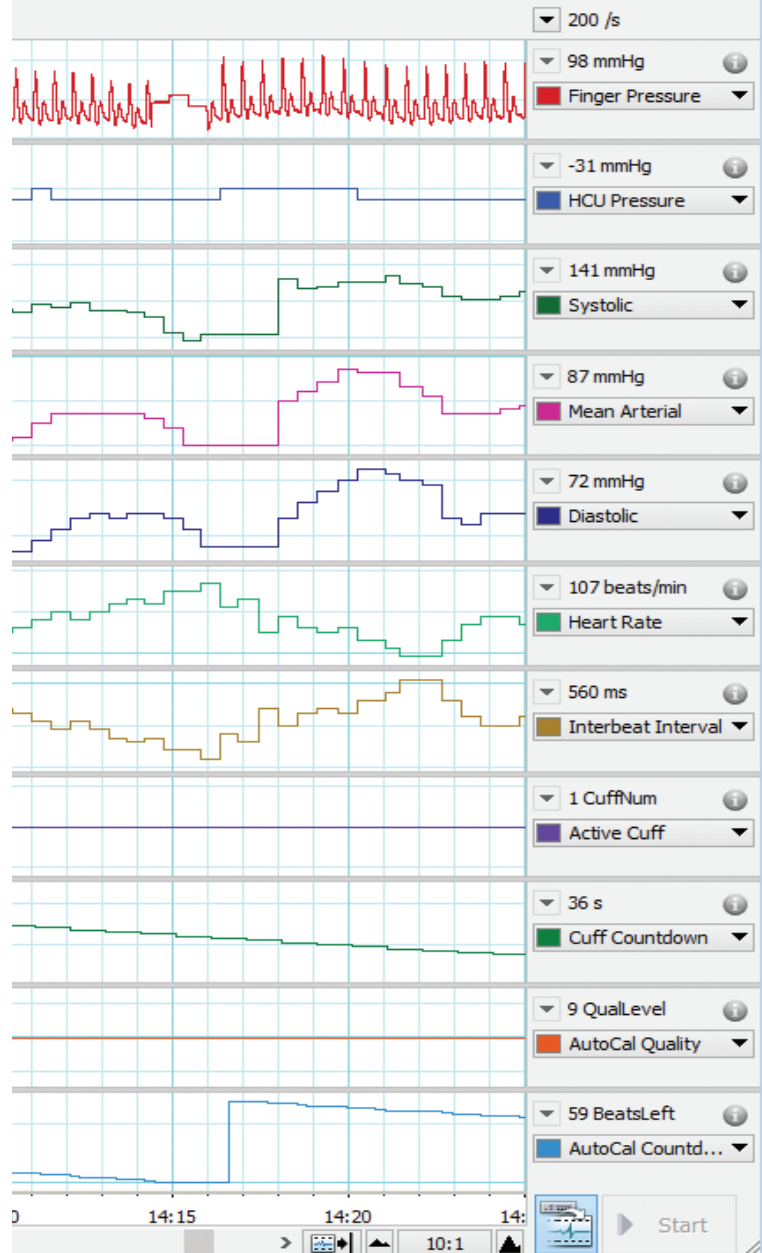
Material Aluminium (plastic casing) with Velcro® fastening  
Dimensions 93 × 60 × 35 mm  
Weight 250 grams (Wrist Unit cable excluded)

### Instrument Information

Cuff pressure Max. 350 mmHg  
Height sensing Range ± 100 mmHg  
Blood pressure accuracy 1% of full scale (max. 3 mmHg)  
Zeroing automatic

### Instrument Accuracy

Height correction 2 mmHg  
Manual zeroing  
Heart rate (Rate [bpm] / 60)%, i.e., at 60 bpm, accuracy is ± 1%  
Interbeat interval 10 ms (max, non-accumulating)



Reliable, real-time display of Human NIBP Nano data in LabChart lets you monitor Finger Arterial Pressure, HCU Pressure, Systolic, Diastolic, Mean Arterial, Heart Rate and Interbeat Interval.

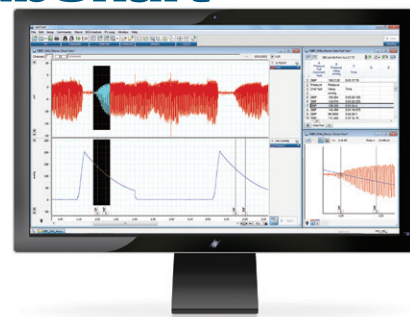
## PowerLab



Measure a wide range of physiological signals with an 8- or 16-channel PowerLab.

## LabChart

LabChart creates a platform to acquire biological signals from multiple sources simultaneously and apply advanced calculations and plots.



Visit our website or contact your local ADInstruments representative for more information

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