# AI6

**Specifications**

Dimensions:

| | |
|---|---|
| Cart base: | 61 cm (24 inches) wide<br>67 cm (26 inches) deep |
| Cart top: | 50 cm (19.5 inches) wide<br>50 cm (19.5 inches) deep |
| Height: | 137 cm (54 inches) high |
| Approximate weight: | 68 kg (150 lbs.) |
| Power: | Selectable, 100, 120, 220 or 240 VAC, 50/60 Hz. |

**AI6 includes**

- Computer with the latest Pentium processor, running Windows® operating system.
- AI6 Windows® based control software.
- 17 inch flat panel monitor.
- Keyboard with trackball mouse.
- Windows compatible color DeskJet printer.
- Custom instrument cart with latching drawer, 4 inch castors, and a side mounted hook for hose storage.
- RT2000 ECG amplifier with 3 snap style leads. Startup ECG electrodes are provided.
- Invasive pressure input, compatible with Utah Medical Deltran transducers.
- Two 3-meter 3/4 inch inside diameter corrugated hoses for rapid cuff inflation. Y-connector for cuff connections, and quick release connections on the AI6 instrument panel.
- One 3-meter 3/8 inch inside diameter PVC hose for arterial cuff inflation. T-connector and male Luer fittings provided, for attachment to arterial occlusion cuffs.
- Full set of 22 strain gauges for the forearm and calf (2 of each size).
- Cuffs for leg and arm measurements.
- PAK 8 positioning aid kit.

Hokanson®

**D.E. Hokanson, Inc.**
**12840 NE 21st Place**
**Bellevue, WA 98005 USA**
**(425) 882-1689 or (800) 999-8251**
**Fax: (425) 881-1636**
**www.hokanson.cc**

**Warranty**

The AI6 carries the Hokanson 5 year warranty. All electronic instruments carry a 5 year warranty against defects in parts and workmanship. Accessories, such as strain gauges and blood pressure cuffs are warranted for one year. Software updates are free for one year.

UK Distributor
PMS (Instruments) Ltd Tel 01628 773233
Fax 01628 770562

# The **AI6 Arterial Inflow System**


Integrated

strain gauge

plethysmography

for quantitative

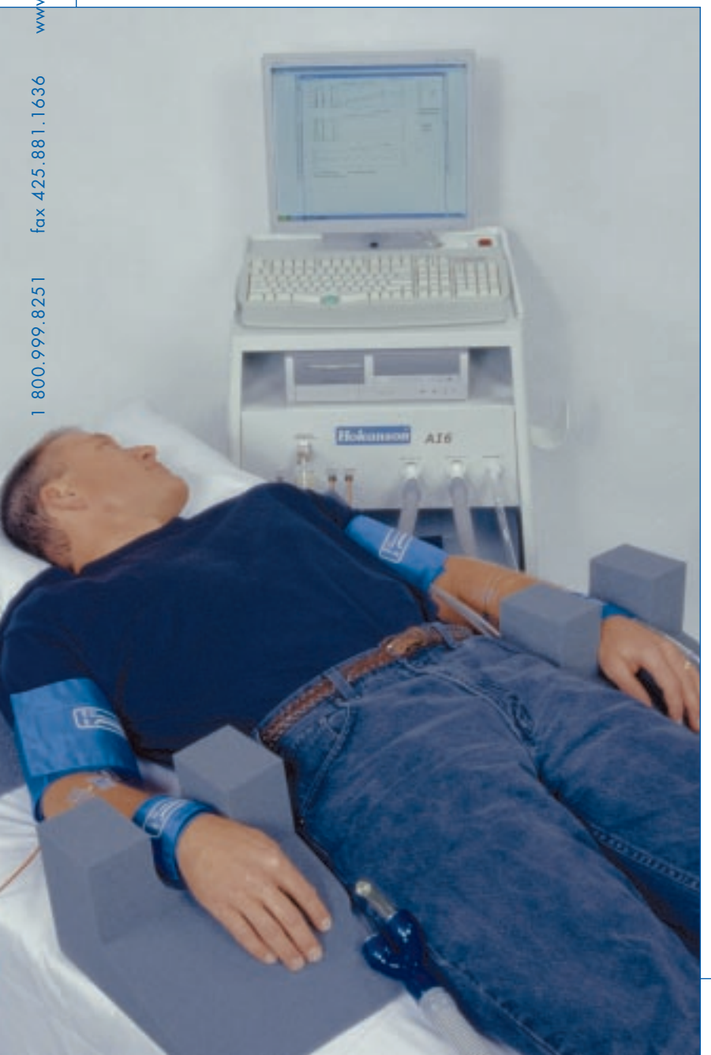
bloodflow

measurements.

Hokanson®

# The AI6 has two strain gauge plethysmographs to measure both arms or both legs simultaneously.

Hokanson strain gauge plethysmographs have established the standard in quantitative bloodflow measurements for over 30 years. Now, we've applied automation to our strain gauge plethysmographs and cuff inflators so arterial inflow can be measured more accurately and easily than ever. The AI6 is an integrated system that will perform venous occlusion plethysmography just the way you want it. You no longer need to manually control the instruments.




Standard measurements of arterial inflow with and without reactive hyperemia are included. You only need to choose the time for measurements and the frequency with which they should be made. Separate measurement stages (with pauses between stages), and programmable cuff inflation and deflation times are also included.

In addition to arterial inflow, the AI6 software has a programmable open format. Custom protocols can be set in a table, specifying which parameters to record along with cuff inflation pressures and times. The plethysmographs and inflators are completely controlled by the computer and software, which are included in the AI6.

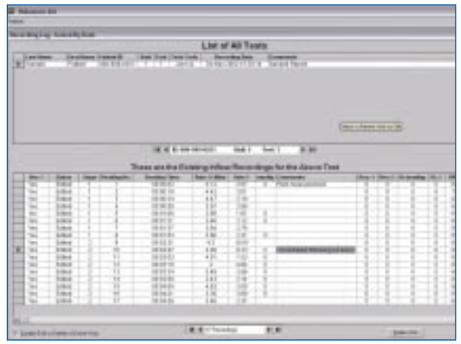
## AI6 Parameters

- Two channels of calibrated strain gauge plethysmography.
- One invasive arterial pressure line.
- One ECG Amplifier. The cuff inflation is synchronized with the patient's heartbeat.
- Two Programmable cuff inflators, for inflation of 4 cuffs to 2 separate pressures. One inflator has two outputs so reactive hyperemia can be performed on one limb independently.
- One Auxiliary analog input for measurement of an extra parameter.

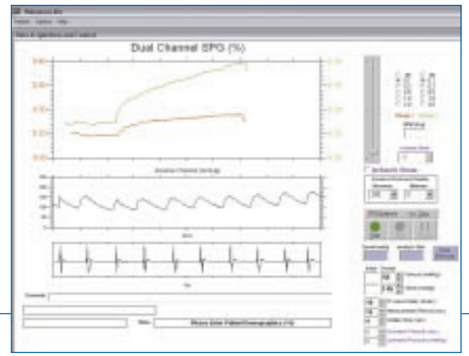
Cuff inflation may be synchronized with the patient's heartbeat, making beat-to-beat waveform measurements easy. (The cuff won't inflate during a heartbeat).

## Data Storage and Printing

The AI6 software stores the patient name, identification, demographics and waveforms in a database for easy recall and editing. Arterial inflow data must be edited for accurate, repeatable inflow rate measurements. Editing arterial inflow waveforms is semi-automatic with peak-finding cursors and an instant display of calculated flow rates. The invasive pressure value can be used to calculate arterial resistance.

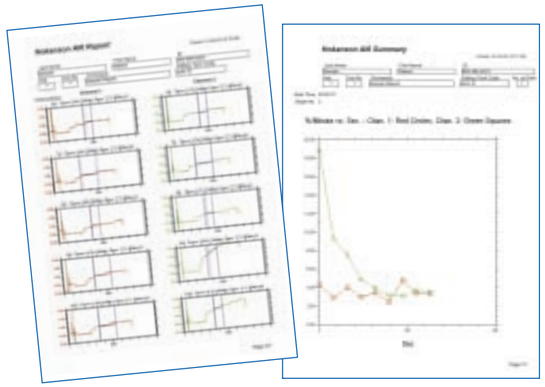







Because the cuff inflation is synchronized with the patient's ECG R-wave, inflow rate calculations are more repeatable. The cuff does not inflate during a heartbeat.

Arterial inflow data is printed in color reports, including table and waveform formats. Patient data can also be exported in spreadsheet and database formats.

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