**KEY FEATURES**

**NBP Cuff**
- Automated scaling to brachial pressure (gold standard) at start of measurement and user programmable
- Variety of sizes to fit pediatric thru large adult

**Double finger cuffs**
- Quick and error-free application
- System includes 3 cuff sizes (small/ medium/ large)
- Long-term recording (24 hrs per hand)
- User selectable rotation interval up to 60 min. per finger

**Continuous waveform**
- Calibrated pulse waveform
- Continuous tracing of hemodynamic changes without interruptions to recalibrate
- Beat-to-beat systolic, diastolic, mean BP values

**Connectivity**
- Plug & play integration into all common data acquisition systems and patient monitors

**Data storage and analysis**
- Unlimited data storage via USB interface
- Data format (*.csv) for import into all common data analysis software packages (e.g. AcqKnowledge®, Matlab, MS Excel, SPSS, etc.)

**Accuracy**
- Reliably equivalent to invasive blood pressure (IBP) $^{1,2}$

**APPLICATIONS IN RESEARCH**
- Physiology
- Psychophysiology
- Autonomic Function
- Cardiology
- Neurology
- Psychology
- Sports / Exercise Physiology
- Pharmacology

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Sample rate</th>
<th>100 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage data format</td>
<td>*.csv (BP waveform; beat values, NBP)</td>
</tr>
</tbody>
</table>
| Interfaces | AUX (non isolated): -5V to 5 V  
BP Wave Out (isolated): 5μV/V/mmHg |
| Adult & Pediatric | ~ 4 years (> 20 kg) |
| Language Options | multilingual display |
RESEARCHERS COUNT ON CNAP® TECHNOLOGY TO...

...study the influence of slow pressure oscillations on self-paced movements.3

...study the correlation between stroke severity and autonomic dysfunction.4

...study the effects of mainstream media on women’s physiological and psychological functioning.5

...study the detection of deception by use of continuous blood pressure.6

...develop an automated closed-loop double-vasopressor system to treat hypotension during spinal anesthesia for cesarean section.7

...study the relationship between cerebral perfusion during heat stress and the tolerance to a stimulated hemorrhage.8

“Hemo”-dynamize your research work with CNAP®!

BENEFITS FOR RESEARCH

> Reliable & accurate noninvasive beat-to-beat measurements

> Good for short & long-term monitoring

> Gets running quickly: fast set up & calibration

> Consistent results due to reliable system design

> Easy connection to 3rd party data acquisition systems

> Reusable CNAP® double finger sensors

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