CNAP® IN RESEARCH
reliable, accurate continuous noninvasive blood pressure for scientific purposes

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. 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>
<tr>
<td>Interfaces</td>
<td>AUX (non isolated): -5V to 5 V BP Wave Out (isolated): 5µV/V/mmHg</td>
</tr>
<tr>
<td>Adult &amp; Pediatric</td>
<td>~ 4 years (&gt; 20 kg)</td>
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<tr>
<td>Language Options</td>
<td>multilingual display</td>
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</table>
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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