



## CNAP™ - CONTINUOUS NON-INVASIVE ARTERIAL PRESSURE

|                 |             |                                |
|-----------------|-------------|--------------------------------|
| Measuring range | Sys:        | 40 - 250 mmHg (5,3 - 33,3 kPa) |
|                 | Dia:        | 30 - 210 mmHg (4 - 28 kPa)     |
|                 | Mean:       | 35 - 230 mmHg (4 - 30,6 kPa)   |
|                 | Pulse rate: | 20 - 200 bpm                   |

|          |                      |
|----------|----------------------|
| Accuracy | +/- 5 mmHg (0,6 kPa) |
|----------|----------------------|

|                      |    |
|----------------------|----|
| Degree of protection | BF |
|----------------------|----|

## NBP – OSCILLOMETRIC BLOOD PRESSURE

|                 |            |             |
|-----------------|------------|-------------|
| Measuring range | Sys: Adult | 40-260 mmHg |
|                 | Pediatric  | 40-160 mmHg |
|                 | Dia: Adult | 20-200 mmHg |
|                 | Pediatric  | 20-120 mmHg |

|          |                                    |
|----------|------------------------------------|
| Accuracy | meets ANSI/AAMI SP10:1992 and 2002 |
|----------|------------------------------------|

|                      |    |
|----------------------|----|
| Degree of protection | BF |
|----------------------|----|

## ELECTRICAL

|                 |                         |
|-----------------|-------------------------|
| Nominal voltage | 100 - 240 VAC, 50/60 Hz |
|-----------------|-------------------------|

|                   |        |
|-------------------|--------|
| Power consumption | < 30 W |
|-------------------|--------|

|         |  |
|---------|--|
| Battery | sealed lead-gel, operating time 2 hours typ. (fully charged battery) |
|---------|--|

## PHYSICAL

|        |   |
|--------|---|
| Weight | 7,5 kg (16,6 lbs) including accessories, cables |
|--------|---|

|        |   |
|--------|---|
| Height | 280 x 270 x 250 mm (11 x 10,6 x 9,8 inch) |
|--------|---|

## ENVIRONMENTAL

|             |            |                            |
|-------------|------------|----------------------------|
| Temperature | operation: | 10°C - 40°C (50°F - 104°F) |
|             | storage:   | 0°C - 40°C (32°F - 104°F)  |

|          |            |                                    |
|----------|------------|------------------------------------|
| Humidity | operation: | 30% - 85%, non condensing          |
|          | storage:   | 20% - 95%, non condensing, wrapped |

|          |            |                |
|----------|------------|----------------|
| Altitude | operation: | 647 - 1059 hPa |
|          | storage:   | 500 - 1059 hPa |

## SCREEN

|      |                          |
|------|--------------------------|
| Type | TFT-LCD, 800 x 600 pixel |
|------|--------------------------|

|      |  |
|------|--|
| Size | 200 x 150 mm (7,8 x 5,9 inch), 8,4 inch diagonally |
|------|--|

## USER INTERFACE

|          |                                       |
|----------|---------------------------------------|
| Controls | click-wheel control, fast access keys |
|----------|---------------------------------------|

|          |                             |
|----------|-----------------------------|
| Alarming | physiological: med priority |
|          | technical: low priority     |

|            |  |
|------------|--|
| Indicators | visual and audible alarm indication, battery status, printer status<br>power LED |
|------------|--|

## PRINTER

|      |                                   |
|------|-----------------------------------|
| Type | integrated thermal printer, 58 mm |
|------|-----------------------------------|

## COMPLIANCE AND APPROVALS

|                              |                       |
|------------------------------|-----------------------|
| safety class II (IEC 60601)  | > CE 0408             |
| class IIb (93/42/EEC)        | > EN60601-1           |
| patient applied part type BF | > EN 60601-1-2        |
|                              | > EN 60601-1-4        |
|                              | > EN 60601-1-6        |
|                              | > EN 60601-1-8        |
|                              | > EN 60601-2-30       |
|                              | > ANSI/AAMI SP10:2002 |
|                              | > EN 1060-1           |
|                              | > EN 1060-3           |



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For USA: Caution: Federal law restricts this device to sale by or on the order of a physician (or proper licensed practitioner).



**CNSystems**  
 The Brain & Heart Company

# CNAP™ Monitor 500



## > State-of-the-art continuous non-invasive arterial pressure

The CNAP™ Monitor 500 is a safe, precise and easy-to-use **non-invasive blood pressure stand-alone monitor** enabling the continuous monitoring of blood pressure and pulse rate up to 24 hours. With its fast, simple and error-proof setup it provides physicians with comprehensive continuity in blood pressure information such as **high fidelity blood pressure waveform, beat-to-beat blood pressure values and pulse rate.**

This information is available without the limitations from arterial cannulation or intermittent NBP. Furthermore data is interfaced to patient monitors and can be printed directly.

### FEATURES

- > CNAP™ – continuous non-invasive arterial pressure
  - > high-fidelity blood pressure waveform
  - > real time systolic, diastolic and mean blood pressure
  - > real time pulse rate
- > integrated NBP offering absolute accuracy
- > intuitive integration into patient monitors\*
- > adjustable alarms
- > 8.4" colour widescreen with easy click-wheel user interface
- > integrated thermal printer
- > connectors: analog out\*\*, Ethernet\*\*, USB
- > 2 hours internal battery
- > 24 hours data storage
- > reusable CNAP™ double finger cuff

\*CNAP™ Monitor 500i, \*\*CNAP™ Monitor 500at

### FACTBOX

- > **Perioperative hypotension**
  - > More than 30% of hypotensive episodes are missed by intermittent NBP.
  - > 56% of perioperative cardiac arrests are preceded by pronounced hypotension.
  - > Every single minute of perioperative hypotension raises 1-year post surgical mortality risk by 3%.
- > **Syncope / Head Up Tilt Testing**
  - > The 1-year mortality from syncopal events is over 20%.
  - > CNAP™ blood pressure provides the physician with information required for a comprehensive diagnosis according to International Guidelines (ACC, ESC).

### KEY BENEFITS

- > high patient safety through continuous non-invasive recording of blood pressure
- > reduced cost compared to arterial cannula
- > design improvements:
  - > digital design for error free recordings
  - > CNAP™ double finger cuff: reusable, easy setup, 3 sizes (L, M, S)
- > absolute accuracy



### SETTINGS:

- > Perioperative hypotension, PACU
- > Cardiology, EP: syncope assessment
- > Emergency room, emergency transports
- > Intensive Care Unit

#### Arterial Line

- + continuous recording
- invasive, risky, time consuming, cost intensive

#### NBP

- + no risk for patient, fast & easy handling, cost effective
- intermittent

#### CNAP™

- + continuous, no risk for patient, fast & easy handling, cost effective

