

# 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





## 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)
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Degree of protection	BF
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## 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
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Degree of protection	BF
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## ELECTRICAL

Nominal voltage	100 - 240 VAC, 50/60 Hz
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Power consumption	< 30 W
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Battery	sealed lead-gel, operating time 2 hours typ. (fully charged battery)
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## PHYSICAL

Weight	7,5 kg (16,6 lbs) including accessories, cables
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Height	280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)
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## 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
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Size	200 x 150 mm (7,8 x 5,9 inch), 8,4 inch diagonally
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## USER INTERFACE

Controls	click-wheel control, fast access keys
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Alarming	physiological: med priority
	technical: low priority

Indicators	visual and audible alarm indication, battery status, printer status power LED
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## PRINTER

Type	integrated thermal printer, 58 mm
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## COMPLIANCE AND APPROVALS

safety class II (IEC 60601) class IIb (93/42/EEC) patient applied part type BF	> CE 0408
	> EN60601-1
	> 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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