

# CONTINUOUS NON-INVASIVE BLOOD PRESSURE & HEMODYNAMICS

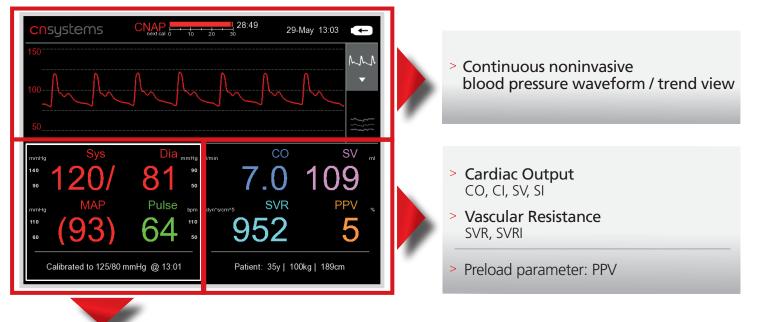
THE NEXT GENERATION OF HEMODYNAMIC MONITORING



by cnsystems

## **CONTINUOUS NONINVASIVE BLOOD PRESSURE & HEMODYNAMICS**

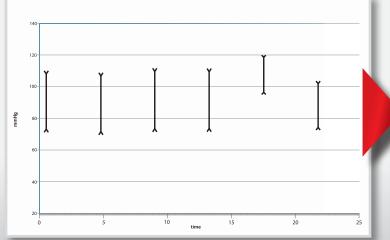
### FULL HEMODYNAMIC PICTURE

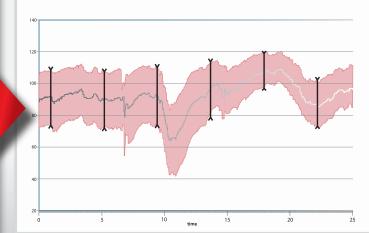


Continuous Blood Pressure: Sys, Dia, MAP, Pulse and Upper arm NBP: Sys, Dia

### **NEVER MISS A BEAT**

Upgrade from single snapshots to the continuous CNAP<sup>®</sup> picture!





# **EASY-TO-USE QUICK START UP ALL FROM ONE SENSOR**

### **CONVENIENT CNAP® FINGER SENSOR**



### **"CNAP® BRIDGES THE GAP BETWEEN NONINVASIVE AND CONTINUOUS MEASUREMENT WITH PROVEN ACCURACY!**"1-9

### SUPPORTS DIAGNOSIS AND RESEARCH VARIOUS SETTINGS BY...

- > ... detecting hemodynamic reactions, e.g. to orthosta
- > ... indentifying Autonomic Dysorders. <sup>12, 13</sup>
- > ... enhancing Syncope Assessment. 14
- > ... early recognizing hemodynamic instabilities. <sup>15</sup>
- > ... providing valuable information for clinical research
- > ... delivering reliable results for efficient treatment of patients.4-7

3 Gonzales, J. U. et al. Arterial stiffness is higher in older adults with increased perceived fatigue and fatigability during walking. Experimental Gerontology. doi:10.1016/j.exger.2014.12.005 (2014). 9 Wagner, J. Y. et al. Continuous noninvasive cardiac output determination using the CNAP system: evaluation of a cardiac output algorithm for the analysis of volume clamp method-derived pulsecontour. 10 Devide A total Monitoring and Computing.doi:10.1007/s10877-015-9744-1 (2015).



### ACCURATE AND RELIABLE

Comparable with invasive clinical standards in terms of continuity, accuracy and waveform dvnamics 1-9

#### COST EFFECTIVE

Significant cost savings through reusable CNAP® double finger sensor and time-saving handling

IN	<ol> <li>Jeleazcov, C. et. al. Precision and accuracy of a new device (CNAP®) for continuous noninvasive arterial blood pressure monitoring: assessment during general anaesthesia. BJA.105(3):264-272 (2010).</li> <li>Ilies, C., et al. Investigation of the agreement of a continuous non-invasive arterial pressure device in comparison with invasive radial artery measurement. BJA. 108(2):202-10. doi: 10.1093/bia/aer394 (2012).</li> </ol>
tic challenges. <sup>10,11</sup>	3 Biais, M. et. al. Continuous non-invasive arterial pressure measurement: Evaluation of CNAP™ device during vascular surgery. Ann Fr Anesth Reanim, doi:10.1016/j. annfar. 2010.05.002 (2010). 4 Jagadeesh, AM., et al. A comparison of a continuuous noninvasive arterial pressure (CNAP™) monitor with an invasive arterial blood pressure monitor in the cardiac surgical ICU. Ann Card Anaesth. Jul-Sep;15(3):180-4. doi: 10.4103/09719784.97973 (2012). 5 Ilies, C. et al. Comparison of a continuous noninvasive arterial pressure device with invasive measurements in cardiovascular postsurgical intensive care patients: A prospective observational study. European Journal of Anaest- hesiology, 31, 1–9. doi:10.1097/ EJA.0000000000001366 (2014).
in Cardiology. <sup>16,17</sup> ICU and ER	<ol> <li>Wagner, J. Y. et al. Noninvasive continuous versus intermittent arterial pressure monitoring: evaluation of the vascular unloading technique (CNAP device) in the emergency department. Scandinavian Journal of Trauma, Re- suscitation and Emergency Medicine, 22(1), 8. doi:10.1186/1757-7241-22-8 (2014).</li> <li>Wagner, J. Y. et al. Continuous noninvasive arterial pressure measurement using the volume clamp method : an evaluation of the CNAP device in in- tensive care unit patients. J Clin Monit Comput, online. doi:10.1007/s10877- 015-9670-2 (2015).</li> </ol>

10 Dziuda, Ł. et al. Development and evaluation of a novel system for inducing orthostatic challenge by tilt tests and lower body negative pressure. Sci. Rep. 8, 1–15 (2018). 11 Reulecke, S. et al. Orthostatic stress causes immediately increased blood pressure variability in women with vasovagal syncope. Comput. Methods Programs Biomed. 127, 185–196 (2016). 12 Hellman, A. M., Shah, S. P., Pawlowski, S. M., Duda, J. E. & Morley, J. F. Continuous non-invasive monitoring to detect covert autonomic dysfunction in Parkinson's disease. Parkinsonism Relat. Disord. 21 723–28 (2015).

12 Steperholt, C. G. et al. Impaired Cerebral Autoregulation during Head Up Tilt in Patients with Severe Brain Injury. PLoS One 11, e0154831 (2016). 14 Parry, S. W. et al. A Novel Approach to Proactive Primary Care-Based Case Finding and Multidisciplinary Management of Falls, Syncope, and Dizziness in a One-Stop Service: Preliminary Results. J. Am. Geriatr. Soc. 64, 2368–2373 (2016).

ive monitoring improves blood pressure stability in upright position; randomized controlled trial, Journal of Clinical Monitoring and Computing

ods of cardiac output measurement and their importance in everyday clinical practice : the current state of knowledge. Folia

Arterial Pressure During Rapid Ventricular Pacing for Transcatheter Aortic Valve Replacement, Anesth, Analg, 117, 76–82

<sup>15</sup> Benes, J., et al. Continuous non-invas doi:10.1007/s10877-014 9586-2 (2014).

<sup>16</sup> Stepniak, P., Cacko, A., Kołodzinska, A. & Grab Cardiol. 2021 16, 237–241 (2021

### **TECHNICAL SPECIFICATIONS**

Dia:     30 - 210 mmHg     Dia:     20 - 200 mmHg       Mean:     35 - 230 mmHg     Pulse rate:     30 - 200 bpm       egree of protection     BF     (defibrillation proof)     Degree of protection     BF     (defibrillation proof)       NAP* HEMODYNAMICS: CO, CI, SV SVR, SVR, SVR     Image: SV     0 - 300 ml     CI     0.0 - 0.150 ml/m²       SVR     0 - 300 ml     SI     0 - 150 ml/m²     SVR       SVR     0 - 5000 dyne*s(rm²     SVR     0 - 9999 dyne*s*m²/cm²       UDI RESPONSIVENESS: CNAP* PPV     Eattery:     sealed lead-gel, operating time: 2 hours (fully charged battery)       HYSICAL     Village     100 - 240 VAC     Battery:       LUID RESPONSIVENESS: CNAP* PPV     0.2 - 40%     Eattery:       LECTRICAL     sealed lead-gel, operating time: 2 hours (fully charged battery)       HYSICAL     Z80 x 270 x 250 ml (11 x 10.6 x 9.8 inch)       NVIROMENTAL     operation:     10°C - 40°C (50°F - 104°F)     storage:       memperature     operation:     10°C - 40°C (50°F - 104°F)     storage:       memperature     operation:     10°C - 40°C (50°F - 104°F)     storage:       memperature     operation:     10°C - 40°C (50°F - 104°F)     storage:       fittude     operation:     10°C - 40°C (50°F - 104°F)     storage:       geree     TFELCD		INVASIVE ARTERIAL PRESSURE	NBP – OSCILLOMETRIC BL		
Mean:     35 - 230 mmHg       Pulse rate:     30 - 200 bpm       egree of protection     BF     (defibrillation proof)       utomatic scaling to brachial pressure (NRP)     MXP* HEMODYNAMICS: CO. (2, SV, SVR, SVI, SVR)       MXP* HEMODYNAMICS: CO. (2, SV, SVR, SVI, SVR)     CI     0.0 - 10 //min/m²       feasuring range     CO     0.0 - 20 fmin     CI     0.0 - 10 //min/m²       SVR     0300 ml     SI     0150 ml/m²       SVR     05000 dyne*s/cm²     SVR     09099 dyne*s*m²/cm²       UUID RESPONSIVENESS: CNAPP PPV     Battery:     sealed lead-gel, operating time: 2 hours (fully charged battery)       HYSICOLA     PPV     0.2 - 40%     ECTRICAL       upply frequency     -50/60 Hz     Battery:     sealed lead-gel, operating time: 2 hours (fully charged battery)       HYSICOLA     7.5 kg (16,6 lbs) including accessories and cables     ECTRICAL       ergeht     2,5 kg (16,6 lbs) including accessories and cables     ECTRICAL       mindity     operation:     10°C - 40°C (60°F - 104°F)     storage: 0°C - 40°C (32°F - 104°F)       WIRONAKENAL     apperation:     10°C - 40°C (60°F - 104°F)     storage: 15% - 95%, non condensing, wrapped       Umidity     operation:     10°C - 40°C (60°F - 104°F)     storage: 500 - 1060 hPa       SER INTERFACE     conton condensing     storage: 50°C - 10°C - 40°C (	Measuring range	5	5		
Pulse rate:         30 - 200 bpm         Degree of protection         BF         (defibrillation proof)           utomatic scaling to brachial pressure (NBP)         Degree of protection         BF         (defibrillation proof)           NAP* HEMODYNAMICS: CO, CI, SV, SVR, SVR, SVR         Essuring range         CO         0 200 Vmin         C1         0.0 - 100 Vmin/m²           SV         0 300 ml         S1         0 150 ml/m²         SVR           SVR         0 200 Vmin         C1         0.0 - 100 Vmin/m²           LUID RESPONSIVENESS: CNAP* PPV         0.2 - 40%         Estern:         SVR           LECTRICAL         Battery:         0.9999 dyne*s*m²/cm³           Uppk frequency         -50/60 Hz         Battery:         sealed lead-egl, operating time: 2 hours (fully charged battery)           HYSICAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NUROMINENTAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)           WorkStatt         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         storage: 0°C - 40°C (32°E - 104°F)           umidity         operation:         10°C - 40°C (50°F - 104°F)         storage: 500 - 1060 hPa           CREEN         geneation:         10°C - 40°C (50°F - 104°F)         storage: 500 - 1060 hPa           SER INTERFACE         storage:         500 - 1060 hPa         <				Dia: 20 - 200 mmHg	
egree of protection         BF         (defibrillation proof)         Degree of protection         BF         (defibrillation proof)           utomatic scaling to brachial pressure (NBP)         NAP* HEMODYNAMICS: CO, CJ, SV, SVR, SVI, SVRI         Edeasting range         CO         0.0 - 20 l/min         CI         0.0 - 10 l/min/m <sup>2</sup> deasuring range         CO         0.0 - 20 l/min         SI         0 - 150 ml/m <sup>2</sup> SVR         0 - 3000 dyne*s/cm <sup>3</sup> SVR         0 - 9999 dyne*s*m <sup>2</sup> /cm <sup>3</sup> UID RESPONSIVENESS: CNAP* PPV         EECTRICAL         D - 9999 dyne*s*m <sup>2</sup> /cm <sup>3</sup> ominal voltage         100 - 240 VAC         Battery:         sealed lead-gel, operating time: 2 hours (fully charged battery).           HYSICAL         280 x 270 x 250 mm         11 x 10,6 x 9,8 inch)         NURONMENTAL           Perperature         operation:         10°C - 40°C (50°F - 104°F)         storage:         0°C - 40°C (32°F - 104°F)           Virinority         operation:         10°C - 40°C (50°F - 104°F)         storage:         500 - 1060 hPa           CREEN         -         55% non condensing         storage:         500 - 1060 hPa           Strange:         Strange:         500 - 1060 hPa         storage:         500 - 1060 hPa           CREEN         -         FLCLD, 800 x 600 pixel<					
utomatic scaling to brachial pressure (NBP)       Image: Color of the search of the sear					
NAP*         HEMODYNAMICS: CO, CJ, SV, SVR, SVJ, SVR           Ideasuring range         CO         0.0 - 20 Vmin         CI         0.0 - 150 m/m²           SVR         0 - 5000 dyne*s/srm²         SVR         0 - 9999 dyne*s*m²/cm²           SVR         0 - 5000 dyne*s/srm²         SVR         0 - 9999 dyne*s*m²/cm²           UDIR SEPONTVENESS: CNAP*         PPV         0.2 - 40%           LECTRICAL         Battery:         orninal voltage         100 - 240 VAC           Drinial voltage         100 - 240 VAC         Battery:         sealed lead-gel, operating time: 2 hours (fully charged battery)           HYSICAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVRONMENTAL         Prepresenting           Prepresenture         operation:         10°C - 40°C (50°F - 104°F)         storage:         0°C - 40°C (32°F - 104°F)           WIRONMENTAL         Prepresenture         operation:         10°C - 40°C (50°F - 104°F)         storage:         500 - 1060 hPa           SER INTERFACE         Intride         operation:         700 - 1060 hPa         storage:         500 - 1060 hPa           SER INTERFACE         Visual and audible alarm indication, battery status, printer status, power LED         ctorailex waveform (-5V to 5V)           ODISTABLE ALARMING SYSTEM         Iams         physiological: med priority; technical:	Degree of protection		of) Degree of protection	Degree of protection BF (defibrillation proof)	
deasuring range         CO         0.0 - 20 //min         CI         0.0 - 10 //mir/m <sup>2</sup> SV         0 - 300 ml         SI         0 - 150 ml/m <sup>2</sup> SVR         0 - 5000 dyne*s/cm <sup>5</sup> SVRI         0 - 9999 dyne*s*m <sup>2</sup> /cm <sup>5</sup> Heasuring range         PV         0.2 - 40%           LECTRICAL         sealed lead-gel, operating time: 2 hours (fully charged battery)           HYSICAL         sealed lead-gel, operating time: 2 hours (fully charged battery)           HYSICAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)           Veright         7.5 kg (16,6 lbs) including accessories and cables           leight         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)           NURONMENTAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)           Wright         0,6 c 40°C (30°F - 104°F)         storage: 0°C - 40°C (32°F - 104°F)           fumidity         operation: 10°C - 40°C (50°F - 104°F)         storage: 500 - 1060 hPa           remperature         operation: 700 - 1060 hPa         storage: 500 - 1060 hPa           Stringtright         280 x 4 inch diagonally         storage: 500 - 1060 hPa           Stringtright         customized configuration: numeric, graphic, alarm history         000           DUISTABLE ALARMING SYSTEM         customized continuous blood pressure waveform (-5V to 5V)					
SV0 - 300 mlSI0 - 150 ml/m2SVR0 - 5000 dyne s/cm3SVRI0 - 9999 dyne*s*m2/cm3LUID RESPONSIVENESS: CNAPP PPVVdeasuring rangePPV0.2 - 40%LECTRICALSelded lead-gel, operating time: 2 hours (fully charged battery)upply frequency- 50/60 HzBattery:upply frequency- 50/60 Hzselded lead-gel, operating time: 2 hours (fully charged battery)VRSICAL7,5 kg (16,6 lbs) including accessories and cablesleight7,5 kg (16,6 lbs) including accessories and cablesvelight7,5 kg (16,6 lbs) including accessories and cablesumidityoperation:10°C - 40°C (50°F - 104°F)versitingoperation:10°C - 40°C (50°F - 104°F)umidityoperation:10°C - 40°C (50°F - 104°F)storage:00 - 1060 hPastorage:storage:00 - 1600 hPastorage:00 - 1060 hPatitudeoperation:10°C - 40°C (20°F - 104°F)umidityoperation:10°C - 40°C (10°C - 40°C - 40°C (10°C - 40°C - 40°C (1					
SVR         0 - 5000 dyne*s/cm <sup>5</sup> SVRI         0 - 9999 dyne*s*m²/cm <sup>5</sup> LUID RESPONSIVENESS: CNAP® PPV         Edesuring range         PPV         0.2 - 40%           LECTRICAL         State range         PPV         0.2 - 40%           Upply frequency         ~50/60 Hz         Battery:         sealed lead-gel, operating time: 2 hours (fully charged battery)           HYSICAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL           NVIRONMENTAL         280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL           Ittrude         operation:         10°C - 40°C (50°F - 104°F)         storage: 0°C - 40°C (32°F - 104°F)           Ittrude         operation:         10°C - 40°C (50°F - 104°F)         storage: 500 - 1060 hPa           CREEN         TFFLCD, 800 x 600 pixel         storage: 500 - 1060 hPa         storage: 500 - 1060 hPa           SER INTERFACE         Usal and audible alarm indication, battery status, printer status, power LED         customized configuration: numeric, graphic, alarm history           OUSTABLE ALARMING SYSTEM         USB 1.1 (bandwidth 12 MBits/s)         standard patient monitoring systems (2 - 10 VDC supply voltage)           VP Awo Qu         easy integrated thermal printer, 58 mm         OMELOPA         > EN 1060-4 (NBP)           Sig PORT         IEC 60601-1         IEC 60601-6         > EN					
LUID RESPONSIVENESS: CNAP® PPV         Ideasuring range       PPV       0.2 - 40%         LECTRICAL         Jornian Jvoltage       100 - 240 VAC       Battery:         upply frequency       -50/60 Hz       sealed lead-gel, operating time: 2 hours (fully charged battery)         HYSICAL       gight       7,5 kg (16,6 lbs) including accessories and cables         leight       7,5 kg (16,6 lbs) including accessories and cables         leight       280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL       operation:       10°C - 40°C (50°F - 104°F)       storage:       0°C - 40°C (32°F - 104°F)         wimidity       operation:       10°C - 40°C (50°F - 104°F)       storage:       55% - 95%, non condensing, wrapped         Unitude       operation:       700 - 1060 hPa       storage:       500 - 1060 hPa         SER INTERFACE       ontols       click-wheel control, fast access keys       ontols         ontrols       click-wheel control, fast access keys       ontols       storage: 15% - 95%, now condensing         DUSTABLE ALARMING SYSTEM       physiological: med priority; technical: low priority       OVDC supply voltage)         Iarms       physiological: med priority; technical: low priority       Storage: 10 VDC supply voltage)         Iardy class II (66 60601)       > IEC 60601-1					
deasuring rangePPV $0.2 - 40\%$ LECTRICALI00 - 240 VACBattery: sealed lead-gel, operating time: 2 hours (fully charged battery)upply frequency~50/60 Hzsealed lead-gel, operating time: 2 hours (fully charged battery)HYSICALVight7,5 kg (16,6 lbs) including accessories and cablesleight280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)NVIRONMENTAL280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)mperatureoperation:10°C - 40°C (50°F - 104°F)storage:0°C - 40°C (32°F - 104°F)lumidityoperation:700 - 1060 hPastorage:55%, non condensingstorage:500 - 1060 hPaCRENVilagonallySER INTERFACEVilagonallystorage:500 x 600 pixelize8,4 inch diagonallySER INTERFACEVisiological: med priority; technical: low priorityONISCALE LARMING SYSTEMUstorage: and audiba adriba alarm indication, battery status, printer status, power LEDcustomized configuration: numeric, graphic, alarm historyONIECTIVITYeasy integration in all standard patient monitoring systems (2 - 10 VDC supply voltage)VIX Analog Qutanalog output of calibrated continuous blood pressure waveform (-5V to 5V)SB PORTintegrated thermal printer, 58 mmOMPLIANCE AND APPROVALIS> IEC 60601-1Alery Lass II (IEC 60601)> IEC 60601-1Alery Lass II (IEC 60601)> IEC 60601-1atent sapplied part type BF(defibrillation proof)VES 6,669,648> EP 2 493 370SI IS 8,114,025			SVRI 0 - 9999 dyne	e*s*m²/cm <sup>5</sup>	
LECTRICAL       Battery:         forminal voltage       100 - 240 VAC       Battery:         wophy frequency       -50/60 Hz       sealed lead-gel, operating time: 2 hours (fully charged battery)         HYSICAL       Velght       7,5 kg (16,6 lbs) including accessories and cables         leight       2,5 kg (16,6 lbs) including accessories and cables         leight       280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL       operation:       10°C - 40°C (50°F - 104°F)         storage:       0°C - 40°C (32°F - 104°F)         lumidity       operation:       10°C - 40°C (50°F - 104°F)         umidity       operation:       700 - 1060 hPa       storage:       500 - 1060 hPa         reserver       8,4 inch diagonally       storage:       500 - 1060 hPa       storage:       500 - 1060 hPa         SER INTERFACE       outsolis       click-wheel control, fast access keys       storage:       500 - 1060 hPa       storage:       500 - 1060 hPa         JUSTABLE ALARMING SYSTEM       subalitie alarm indication, battery status, printer status, power LED       customized configuration: numeric, graphic, alarm history       JUSTABLE ALARMING SYSTEM         JUSTABLE ALARMING SYSTEM       salog output of calibrated continuous blood pressure waveform (-5V to 5V)       SE         SER TOP       integrated thermal printer					
iominal voltage     100 - 240 VAC     Battery:       upply frequency     -50/60 Hz     sealed lead-gel, operating time: 2 hours (fully charged battery)       HYSICAL     sealed lead-gel, operating time: 2 hours (fully charged battery)       Weight     7,5 kg (16,6 lbs) including accessories and cables       leight     280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)       NVIRONMENTAL     emperature     operation:       emperature     operation:     10°C - 40°C (50°F - 104°F)     storage:       utmidity     operation:     700 - 1060 hPa     storage:       CREEN     toperation:     700 - 1060 hPa     storage:       /pe     TFLCD, 800 x 600 pixel       ize     8,4 inch diagonally       SER INTERFACE     customized configuration: numeric, graphic, alarm history       DJUSTABLE ALARMING SYSTEM       Jarms     physiological: med priority:     technical: low priority       ONNECTVITY       P Wave Out     easy integration in all standard patient monitoring systems (2 - 10 VDC supply voltage)       JUX Analog Out     analog output of calibrated continuous blood pressure waveform (-5V to 5V)       SB PORT     storage:     SIC 8 0601.1       CMPLACE AND APPROVALS     storage:     SIC 8 0601.1-2       Alardo Qut     analog output of calibrated continuous blood pressure waveform (-5V to 5V)       SB PORT <td< td=""><td>Measuring range</td><td>PPV 0.2 - 40%</td><td></td><td></td></td<>	Measuring range	PPV 0.2 - 40%			
upply frequency       -50/60 Hz       sealed lead-gel, operating time: 2 hours (fully charged battery)         HYSICAL       Vieight       7,5 kg (16,6 lbs) including accessories and cables         leight       280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL       operation:       10°C - 40°C (50°F - 104°F)         storage:       0°C - 40°C (32°F - 104°F)         umidity       operation:       15% - 85% non condensing       storage:       0°C - 40°C (32°F - 104°F)         umidity       operation:       700 - 1060 hPa       storage:       500 - 1060 hPa         CREEN       700 - 1060 nPa       storage:       500 - 1060 hPa         ize       8,4 inch diagonally       storage:       500 - 1060 hPa         ize       8,4 inch diagonally       storage:       storage:       500 - 1060 hPa         ize       8,4 inch diagonally       storage:       storage:       500 - 1060 hPa         idicators       visual and audible alarm indication, battery status, printer status, power LED       storage:       sto	ELECTRICAL				
HYSICAL         Veight       7,5 kg (16,6 lbs) including accessories and cables         leight       280 x 270 x 250 mm (11 x 10,6 x 9,8 inch)         NVIRONMENTAL       apperation:       10°C - 40°C (50°F - 104°F)       storage:       0°C - 40°C (32°F - 104°F)         emperature       operation:       15% - 85% non condensing       storage:       15% - 95%, non condensing, wrapped         lumidity       operation:       15% - 85% non condensing       storage:       500 - 1060 hPa         CREEN       TFT-LCD, 800 x 600 pixel       storage:       500 - 1060 hPa       storage:         ize       8,4 inch diagonally       storage:					
Veight7,5 kg (16,6 lbs) including accessories and cablesleight280 x 270 x 250 rmm (11 x 10,6 x 9,8 inch)NVIRONMENTALemperatureoperation: $10^{\circ}$ C - 40^{\circ}C (50°F - 104°F)storage:0°C - 40°C (32°F - 104°F)lumidityoperation:15% - 85% non condensingstorage:15% - 95%, non condensing, wrappedlutitudeoperation:700 - 1060 hPastorage:500 - 1060 hPaStorage:Storage:OPC - 40°C (32°F - 104°F)storage:00 - 1060 hPastorage:OPC - 40°C (32°F - 104°F)storage:OPC - 40°C (32°F - 104°F)storage:OPC - 40°C (32°F - 104°F)storage:Storage:Storage:OPC - 40°C (32°F - 104°F)storage:OPC - 40°C (32°F - 104°F)storage:Storage:OPC - 40°C (32°F - 104°F)storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:Storage:					

The CNAP® Monitor holds CE approval and FDA clearance.

### **CNAP<sup>®</sup>** – Setting new standards for continuous and noninvasive hemodynamic monitoring.









WRMedical 1700 Gervais Avenue, Maplewood, MN 55109 USA Call us: 800-321-6387 | Local: 651-604-8482





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