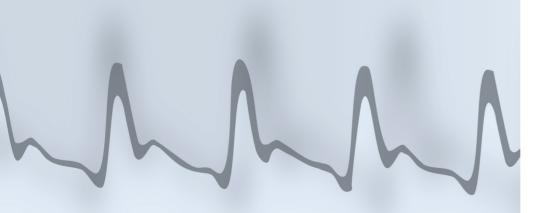


THE NONINVASIVE STANDARD

FULL HEMODYNAMICS & AUTONOMIC FUNCTION





TASK FORCE® MONITOR the noninvasive standard

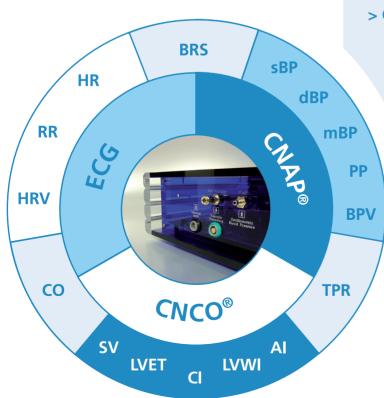
ALL-IN-ONE FOR COMPLETE HEMODYNAMIC ASSESSMENT

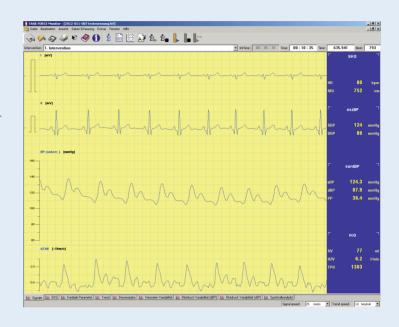
A UNIQUE COMBINATION OF INNOVATIVE AND GOLD STANDARD METHODS - FULLY SYCHRONIZED

PATIENT SIGNALS & FEATURES

- > CNAP® continuous noninvasive arterial pressure
 - > high-fidelity blood pressure waveform
 - > real time systolic, diastolic and mean blood pres-
 - > double finger sensors for output reliability
- > NBP brachial blood pressure via standard upper arm cuff
- > ECG high resolution 3-lead, 6-channel display
- CNCO® continuous noninvasive cardiac output
 real time cardiac output and stroke volume using thoracic impedance.

RECORDED PARAMETERS





> Online Display

- > graphic and numeric display of patient parameters and trends
- > ability to add markers and comments during the test

> Offline Analysis

- > use callipers to measure time intervals and parameter changes
 - > add comments, diagnosis, or treatment plan via template or free form typing

> Output

- > customized print reports with trends and statistics
- > print outs of real time ECG and BP waveforms
- > ability to export data to MS Excel®, Matlab®, or ASCII file



TASK FORCE® MONITOR the noninvasive standard

NONINVASIVE AND CONTINUOUS

EVALUATION OF RAPID AND SHORT-TERM CHANGES IN HEMODYNAMICS AND AUTONOMIC FUNCTION



APPLICATIONS

- > Cardiology/ Electrophysiology
 - > Syncope Assessment/ Tilt testing
 - > Pacemakers: CRT, AV-optimization
- > Neurology
 - > Autonomic Function Testing
- > Psychophysiology/ Mental Health
- > Physiology
- > Pharmacology
- > Pediatrics
- > Occupational Medicine
- > Sports Medicine/ Health Sciences/ Prevention

YOUR ADVANTAGE

ALL-IN-ONE DESIGN

- > one device one click to start test
- > unique combination of innovative methods and gold standards allows for full hemodynamic and autonomic assessment

CONTINUOUS FOR EVERY HEARTBEAT

> enables early detection of rapid and short-term changes in hemodynamics

NONINVASIVE SETUP

- > easy-to-use sensors
- > reuseable arm and finger cuffs
- > disposable electrodes

PROVES TESTING QUALITY

- > all signals are synchronized and in real-time
- > hands-free data recording
- > better diagnosis with more accurate data

"We chose the Task Force® Monitor for a large, multicenter NIH study due to its ability to collect beat-tobeat data for heart rate, blood pressure, and baroreceptor sensitivity using novel, noninvasive technology. In addition to it's ease of use, we have been pleased with both the data quality and the ability to easily export data."

Jeffrey Olgin, MD, Chief of Cardiology, University of California, San Francisco

"The Task Force® Monitor has revolutionized easeof-use in performing and generating data both for research and clinical purposes. I am especially impressed with the amount of information gathered. As a clinical fellow at the NYU DyTestsautonomia Center I did comparative analysis using this equipment to look at cardiac output and stroke volume and found it to be quite accurate."

Ishan Adhikari, MD, University of Texas Health Science Center

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CNAP® – CONTINUOUS NONINVASIVE	ARTERIAL PRESSURE			
Measuring range	30 - 250 mmHg; Heart rate: up to 150 bpm			
Additional NBP –	<i>Ji</i>			
oscillometric blood pressure	scaling to brachial pressure (upper arm), accuracy +/- 5 mmHg			
NBP – OSCILLOMETRIC BLOOD PRESSU	JRE			
Measuring range	30 - 250 mmHg			
Accuracy	meets ANSI/AAMI SP10:1992 and 2002			
ECG - ELECTRO CARDIOGRAPHY				
Channels /display	3 leads, 6 channel display			
Measuring range	+/- 5 mV			
Sampling frequency	1000 Hz			
Accuracy	+/- 5 μV			
CNCO® - CONTINUOUS NONINVASIVE	CARDIAC OUTPUT THROUGH IMPEDANCE CARDIOGRAPHY (ICG)			
Measuring range	dZ/dt: +/-10 Ω/s			
Patient measuring current/ frequency	< 400μA RMS/ 40 kHz			
ELECTRICAL				
Nominal voltage/ Supply frequency	230 VAC/ 50Hz or 115VAC/ 60Hz			
Power consumption, typ.	120mA @ 230 VAC/ 240mA @ 115 VAC, 25 W			
PHYSICAL				
Weight (main device excl. PC)	6.1 kg (13.4 lbs)			
Measures (main device excl. PC)	402 x 104 x 290 mm (158/ 41/ 114 inches w*h*d)			
ENVIRONMENTAL				
Temperature	operation: 10°C - 40°C (50°F - 104°F), storage: 0°C - 40°C (32°F - 104°F)			
Humidity	operation: 30% - 85% storage: 15% - 95%,			
	non condensing non condensing, wrapped			
Altitude	operation: 647 - 1059 hPa; storage: 500 - 1060 hPa			
COMPUTER				
Туре	high quality PC + flatscreen: minimum requirement for running the system (for up-to-			
	date specification details please contact CNSystems or our local distributor)			
PRINTER				
Туре	colour inkjet for generating printed reports (details available at CNSystems)			
ELECTRODES				
Туре	ECG: spot gel-electrodes; CNCO/ ICG: band-electrodes (package available at CNSystems			
CONNECTIVITY - EXTERNAL INPUT (2 o	channels available)			
	+/- 5V			
Overvoltage protection	+/- 5V 250 V RMS			
Overvoltage protection nput impedance	+/- 5V 250 V RMS 380 kΩ +/- 10%			
Overvoltage protection Input impedance Sampling frequency	+/- 5V 250 V RMS			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1 > EN 60601-2-25 > ANSI/AAMI SP10			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC) Degree of protection BF (CNAP, NBP)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1 > EN 60601-2-25 > ANSI/AAMI SP10			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC) Degree of protection BF (CNAP, NBP) CF (ECG, CNCO)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1			
Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC) Degree of protection BF (CNAP, NBP) CF (ECG, CNCO)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1			
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Input voltage Overvoltage protection Input impedance Sampling frequency COMPLIANCE AND APPROVALS Protection class I (IEC 60601) Conformity Class II a (93/42/EEC) Degree of protection BF (CNAP, NBP)	+/- 5V 250 V RMS 380 kΩ +/- 10% 1000 Hz > EN 60601-1			

Task Force® Monitor – The expert's system for evaluating hemodynamics and autonomic function











local distributor:

CNSystems Medizintechnik AG Reininghausstrasse 13, 8020 Graz/Austria Tel.: +43 316 723456-0, Fax: +43 316 723456-2 E-Mail: office@cnsystems.at, www.cnsystems.at