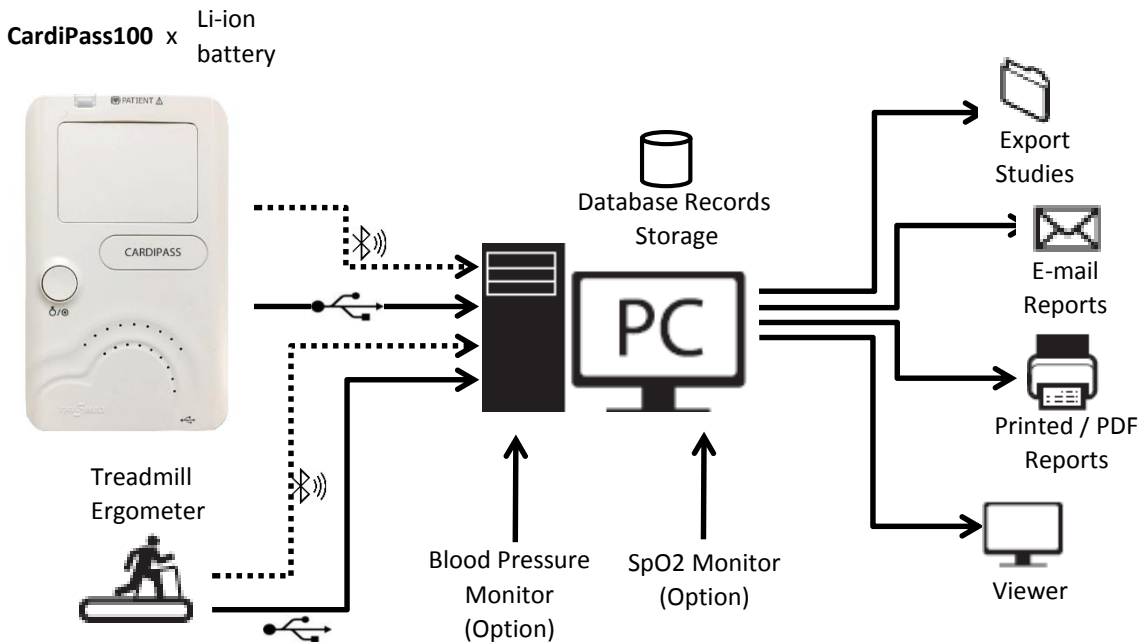




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Satisfaction Superiority Specialization

Stress ECG System

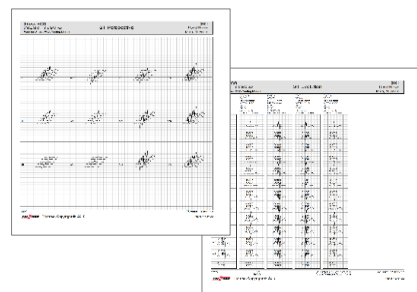
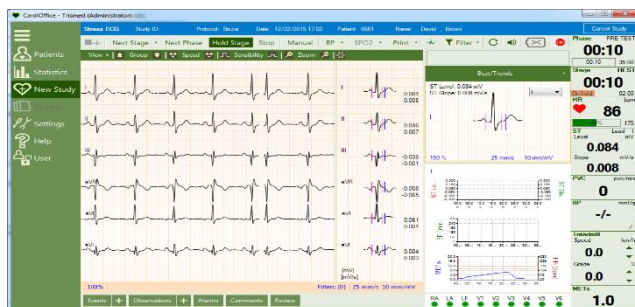


STRESS ECG SYSTEM

- New **CardiPass100** ECG acquisition module with options for wireless (Bluetooth) and wired (USB) connectivity. High resolution acquisition.
- Connectivity with **CardiPass100** as well as Cardipia devices.
- Extended set of predefined exercise protocols for ergometer and treadmill with options to add new ones including ramping type protocols.
- Compatibility with Ergoline, Ergosana and Lode bicycle ergometers and with WellnessTrack and Trackmaster treadmills
- Easy to add support for connectivity with other ergometer and treadmill brand and models on customer demand.
- Integrated support for automatic measurements of NIBP and SpO2 and easy to add support for different brand and models on customer demand.
- Multiple ECG lead views for signal and average complex.
- ECG review option during stress test.
- Wide set of digital filters available and selectable by users during the test to reduce noise and improve the signal quality.
- Real time trend charts of ST level, ST slope, ST deviation, HR, METs, BP and SpO2 measurements.
- Full control of treadmill and ergometer during Stress test.
- Configuration options to customize parameters for processing and alarm management.
- Customizable set of reports available during review and also during test.
- Direct PDF generation without the need of external programs.
- Automatic beat detection and classifying with rhythm analysis and alarms notifications.
- Full disclosure view of the whole test for later review including full stages information, perspective and overlapping views of average complexes and event strips for easy lookup of important events.
- Training plan recommendations according to patient and test results.
- Multilanguage support for an unlimited set of languages on user demand.

Technical Specifications

Recording Leads	12 standard leads : I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6	
Data Transfer I/F	USB direct connection and Bluetooth	
Alarm Visualization	Multicolor LED for Battery Status, Connected and Disconnected indication	
Key Operation	On / Off (During Bluetooth operation)	
Calibration Signal	Sensitivity and frequency response test by using internal 1 mV	
Demo Signal	Integrated ECG demo signal	
ECG Data Acquisition	Simultaneous 12-lead ECG	
Input Impedance	Greater than 100 MΩ per 10 Hz	
A/D Resolution	16 bits (0.16349 μV/bit)	
A/D Sampling Rate	250Hz (2,000samples/sec) / 500 Hz (4,000samples/sec) / 1000 Hz (8,000 samples/sec)	
CMRR	Greater than 100 dB	
Frequency Response	0.05 ~ 200 Hz (-3dB unfiltered)	
Time Constant	Greater than 3.2 sec.	
Performance	AAMI / IEC standard requirements	
Pace Maker Detection	Available	
Patient Leakage Current	Less than 10μA	
Electrical Safety	Class I (Degree of protection against electrical shock) Defibrillation proof (5000VDC) based on type CF applied part Complied IEC60601-1 :2005 (3 rd edition), IEC60601-2-25:2011	
Operation Power	USB Battery	USB powered Built-in rechargeable battery. Li-ion 3.7V (500mA) 1 day continuous operation
Battery Charger	Built-in battery charger	
Dimension (mm)	128(L) x 79(W) x 26(H)	
Weight	110g with battery	
Temperature	Operating : +10 ~ +40 °C / Transport or Storage : -20 ~ +60 °C	
Relative Humidity	Operating : 30~75 % (non-condensing) / Transport or Storage: 10~90 % (non-condensing)	
Atmosphere	Operating : 70kPa ~ 106kPa / Transport or Storage: 50kPa ~ 106kPa	



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