Electrocardiograph

CardiPia 800H

LAN

USB/RS232

Bluetooth

WiFi

SD Card

External Printer

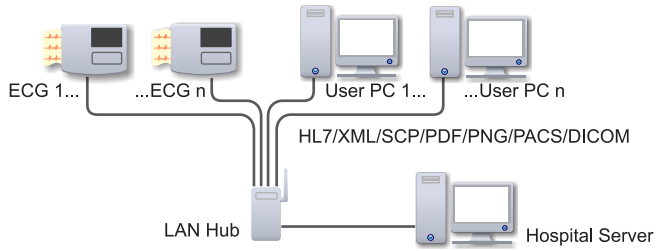
Touch Screen

Optional Keyboard

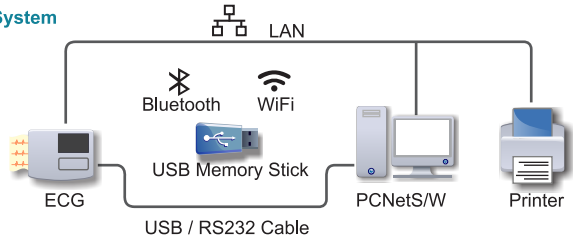
- 12/6/3-ch record and display
- ECG measurement and interpretation for pediatrics / adults·
- 7" color LCD with touch screen
- High accurate ECG acquisition : 24 bits ADC (1.25 μV/bit)
- HIS standard format: DICOM, HL7 aECG (XML), SCP, PDF and PNG
- Connectivity with PACS Server / TRISMED PCNet
- Data transfer interface: USB, Ethernet LAN, Bluetooth, WiFi
- Transfer real-time ECG signal to PC via LAN / WiFi
- Connection to external Printer, Barcode or Magnetic Card Reader
- Data memory : Internal (4,000 records), optional SD or USB memory
- Stress ECG system interface
- Complied with latest safety requirement
- Easy S/W update by Remote Internet/ USB Memory Stick

Trolley / Hanger

HIS Network



PCNet System



·Full disclosure record : up to 10 min.
·QRS, Arrhythmias and Pacemaker detection
·216 / 210 mm roll or optional Z-folder paper
·Membrane and touch alphanumeric PC keypad
·Easy S/W update by USB memory stick
·Alarms detection: HR, paper empty, lead off, low battery
·Multi-language support : English/Spanish/French/Russian/Turkish/Mongolian

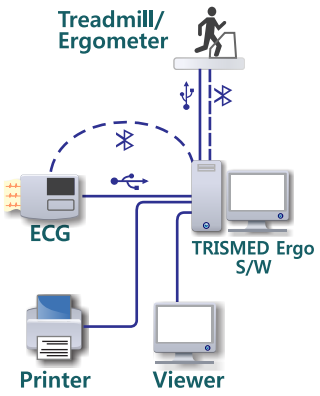
TRISMED Cardiac Diagnosis Systems
Satisfaction Superiority Specialization

CARDIPIA800H Technical Specifications

Recording Leads	12 standard leads : I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6			
Recording Channel	12-ch x 1, 6-ch x 2, 6-ch x 2+1R, 3-ch x 4, 3-ch x 4+1R, 3-ch x 4+3R (R: Rhythm)			
Recording Lead Group	Standard / Cabrera / Nehb / User defined group			
Recording Mode	Auto, Manual, Rhythm, Periodic, Auto Start, Elapsed, Calibration(1mV), Copy, TPH test			
Full Disclosure Report	Min. 10 sec ~ Max. 10 min. by user set / Manual mode			
Recording Length	Min. 3 sec ~ Max. 85 sec. by user select (Auto mode only)			
Recording system	Thermal printer head (8 dots/mm) / 203 (vertical) x 508 (horizontal) dpi			
Recording Thermal Paper	Roll type		Z-folder type (option)	
	Standard	Fax paper	Folding paper size	
	216(or 210)mm x 30m	Grid record	210mm(L) x 60mm(W) x 400sheets	110mm(L) x 60mm(W) x 400sheets
Interpretation (option)	Adult / Pediatric, Mean cardiac cycle with segment and measurement			
Stress ECG I/F (option)	Wire (RS232/USB) / Bluetooth. Treadmill/Ergometer and PC stress ECG S/W are required			
Sensitivity (mm/mV)	1.25, 2.5, 5, 10, 20, 40, Auto			
Recording Speed (mm/sec)	Auto record		Manual record	
	5,6.25,10,12.5,25,50,100		5,6.25,10,12.5,25,50,100	
Display	Color TFT 7" LCD (Viewing area: 154.08mm x 85.92mm), Dots: 800 X 480 Optional Color TFT 7" Non-touch screen LCD (Viewing area: 154.08mm x 85.92mm), Dots: 800 x 480 Optional Color TFT 6.5" Non-touch screen LCD (Viewing area: 154.08mm x 85.92mm), Dots: 800 x 480			
Display Channel (Ch)	12 (6-ch x 2), 6 (3-ch x 2), 3 (3-ch x 1), 4 (2-ch x 2), 2 (2-ch x 1), 1 (1-ch x 1)			
QRS Beat Display & Sound	30 ~ 240 bpm on real time			
Alarm Display and Sound	Lead-off detection for individual 10 lead, Battery level, Paper empty, HR.			
Key Operation	Alphanumeric PC key by membrane and LCD touch screen			
Calibration Signal	Sensitivity and frequency response test by using internal 1 mV			
Language	English / Spanish / French / Russian / Turkish / Mongolian / others by user request			
ECG Data Acquisition	Simultaneous 12-lead ECG			
Input Impedance	Greater than 100 MΩ per 10 Hz			
A/D Resolution	16bits (0.17 μV/bit) Option: 24 bits (1.25 μV/bit)			
A/D Sampling Rate	8,000 samples / second / channels			
CMRR	Greater than 110 dB			
Frequency Response	0.05 200 Hz (-3dB unfiltered)			
Time Constant	Greater than 3.2 sec.			
Digital Filter	Drift filter	Muscle Filter	AC filter	High frequency filter
	0.05/0.15/0.25/ 0.32/0.5/0.67Hz	25/35/40/45Hz	50 / 60 Hz	75 / 100 / 150 / 200 Hz
Pace Maker Detection	Option (Amplitude ±2 mV, Duration > 0.1 ms)			
Arrhythmia Detection	Auto extend recording time to 20 ~ 60 sec by Ventricular Tachycardia and Bradycardia			
Data Management	Save / Delete/ Copy / Review / Transfer / Measure			
Performance	AAMI standard requirements			
Data Transfer I/F to HIS	2 USB memory stick / USB port / Ethernet LAN / Bluetooth (option) / WiFi (option)			
Data Save Memory (10 sec)	Internal memory: Standard 4,000 records / Optional SD card (12,000 records per 1GB)/ Optional external USB memory stick (12,000 records per 1GB)			
TRISMED PCNet S/W	Via Wire USB / Bluetooth / USB memory / LAN / WiFi			
HIS Data Format	HL7 / XML / SCP / PDF / PNG / DICOM + PACS + Modality Worklist			
External Device I/F	Barcode Reader / Magnetic card reader / Printer: HP PSC 1310 series, HP LaserJet Pro M201 M202 series (option)			
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 (3rd. edition), IEC60601-2-25: 2011, IEC60601-1-2:2007			
Operation Power	AC	100 ~ 240VAC ±10 % ~50/60 Hz free voltage		
	Battery	Built-in rechargeable battery. NiMH19.2V (2200mA) / 420 reports (150 min) per 12-ch x 1 (5 sec) auto record by fully charged battery		
		Li-ion Battery (option)		
Dimension (mm)	333 (L) x 310 (W) x 105 (H)			
Weight	3.3 Kg with battery			
Temperature	Operating : +10 ~ +40 ℃ / Transport or Storage : -20 ~ +60 ℃			
Relative Humidity	Operating : 30~ 80 % (non-condensing) / Transport or Storage: 10~90 % (non-condensing)			
Atmosphere	Operating : 70kPa ~ 106kPa / Transport or Storage: 50kPa ~ 106kPa			

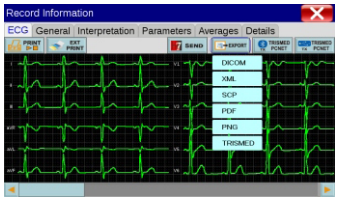
❊ Contents and specification subjects change without notice

Stress ECG System

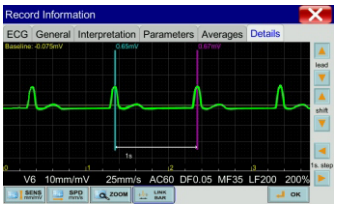


Stress ECG Interface

HIS Interface

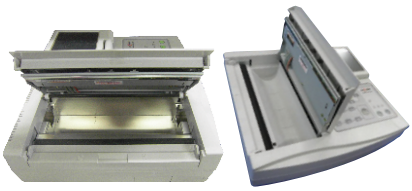


On Screen Measurements

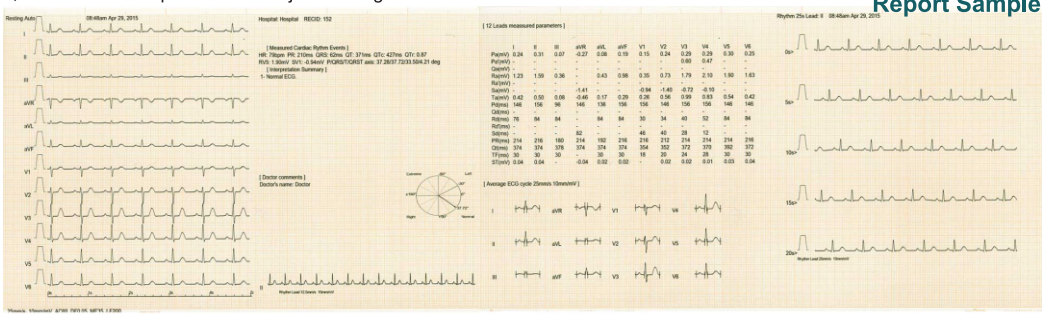


External Device Interface

Easy to load paper / Jamming free



Report Sample



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