

DIGITAL ELECTROCARDIOGRAPH **BIONICS**

INTRODUCING BCM-1200™



FEATURES

- 12/6/3 Channel record and display
- ECG measurement and interpretation for pediatrics & adults
- 7 inch color LCD with touch screen
- High accurate ECG acquisition: 16-bit ADC
- HIS standard format: DICOM, HL7, XML, SCP, PDF, PNG, JPG
- Connectivity with PACS Server IBIONICSPCNet
- Data transfer interface " USB, Ethernet LAN, 8 / Bluetooth, Wi-Fi
- Transfer real-time ECG signal to PC via LAN-Wi-Fi
- Connection to external Printer, Barcode or Magnetic Card Reader
- Data memory: internal (4,000 records), Optional SO or USB memory
- QRS, Arrhythmias and Pacemaker detection
- Easy S/W update by USB memory stick
- Multi-language support
- Optional: Z-folder paper printer

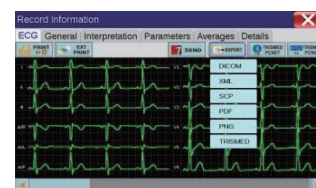
BCM-1200™



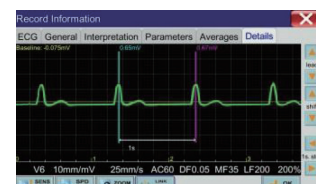
Technical Specification on BCM-1200



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 / User pre-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	ECG Paper	216 (or 210) mm x 30 m, Roll type		
	Fax Paper	Grid record		
Sensitivity (mm/mV)	2.5, 5, 10, 20, 40, Auto			
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			
Recording Speed (mm/sec)	Auto record	Manual record		
	5, 10, 12.5, 25, 50, 100	25, 50		
Display	Color TFT 7" 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 key by membrane and LCD touch screen			
Calibration Signal	Sensitivity and frequency response test by using internal 1 mV			
Language	English / Spanish / Russian / Turkish / Mongolian / others by user request			
ECG Data Acquisition	Simultaneous 12-lead ECG			
Input Impedance	Greater than 100 M Ω per 10 Hz			
A/D Resolution	16 bits (0.17 μ V/bit)			
A/D Sampling Rate	8,000 samples/8-lead/sec			
CMRR	Greater than 100 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
	0.5 Hz	25 / 35 Hz	50 / 60 Hz	75 / 100 / 150 / 200 Hz
Pace Maker Detection	Option			
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	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)			
BIONICS PCNet S/W	Via Wire USB / Bluetooth / USB memory / LAN/Wifi			
HIS Data I/F	HL7 / XML / SCP / PDF / JPG/ PNG / DICOM(PACS)			
External Device I/F(option)	Barcode Reader / Magnetic card reader / printer :HP psc1310 HP LeserJet Pro M201 M202 serial			
Patient Leakage Current	Less than 10 μ A			
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			
	AC	100 ~ 240VAC \pm 10 % ~50/60 Hz free voltage		
Operation Power	Battery	Built-in rechargeable battery. NiMH19.2V (2200mA) / 420 reports (150 min) per 12-ch x 1 (5 sec) auto record with fully charged battery		
Dimension (mm)	333 (L) x 310 (W) x 105 (H)			
Weight	3.3 Kg with battery			
Temperature	Operating : +10 ~ +40 $^{\circ}$ C / Transport or Storage : -20 ~ +60 $^{\circ}$ C			
Relative Humidity	Operating : 30~75 % (non-condensing) / Transport or Storage: 10~90 % (non-condensing)			
Atmosphere	Operating : 70kPa ~ 106kPa / Transport or Storage: 50kPa ~ 106kPa			



HIS Interface



On Screen Measurement



External Device

Contents may be different and is subject to change without notice

Manufacturing by BIONICS CO.,LTD

23-19 Nonggongdanji-gil, Hongcheon-eub, Hongcheon-gun, Gangwon-do, Korea
TEL. 033-434-9041

Sales & Marketing by REMED CO.,LTD

4F SiliconPark A, 35, Pangyo-ro 255 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13486 Korea
Dir. +82 31 696 4899/ Mobile. +82 10 6287 6807/Fax. +82 31 696 4877 <http://www.remed.kr>

