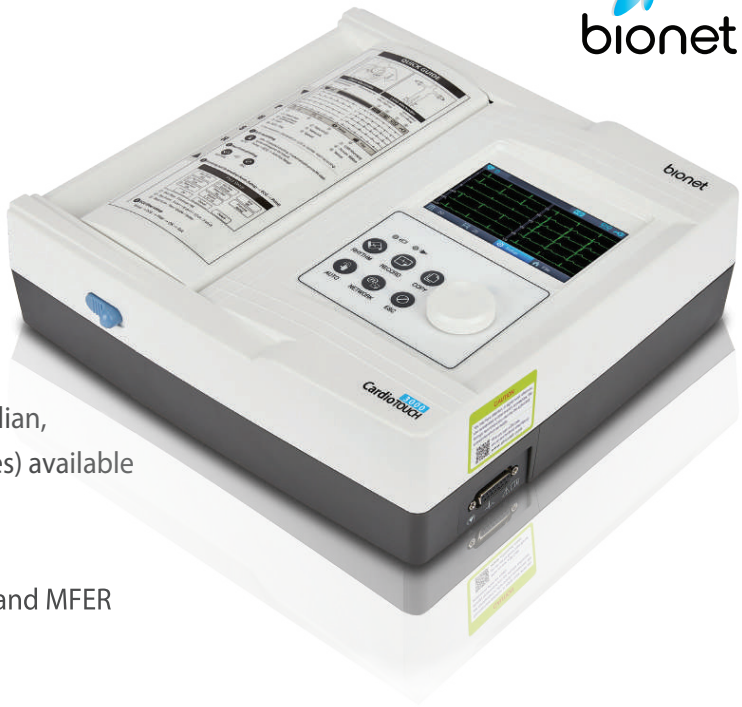
Cardio 3000 TOUCH

Interpretive 12ch Resting ECG with Color LCD Touch Screen

bionet

12ch Resting ECG

- Convenient chart filing with A4 sized print-outs
- Grid function and fax paper available at low cost
- One-touch operation (monitoring & recording mode)
- Simultaneous 12ch display
- Touch screen for easy operation
- Internal storage of 200 cases
- Real-time preview monitor
- Multi-language (English, Russian, French, German, Italian, Chinese, Spanish, Turkish, Polish, Romanian, Portugues) available
- Lead fault message
- Pacemaker detection
- Supports various file format: DICOM, XML, PDF, JPEG and MFER



Graphic Display LCD

① Displays the heart rate
② Displays patient ID
③ Displays USB connection status (USB memory, Barcode)
④ Displays network connection status
⑤ Displays battery status or AC power connection status
⑥ Displays ECG sensitivity with one of 2.5, 5, 10, 20, and auto (mm/mV)
⑦ Displays printing speed withone of 5, 12.5, 25, 50 And 100 (mm/sec.)
⑧ Basic setup, Network setup, Hospital setup ECG setup, Record setup and Service setup. Modify the preferences of 5 items, i.e.,
⑨ Choose the menu where you want to move (ECG, File)

BMS-PLUS ECG Spirometer Monitoring System

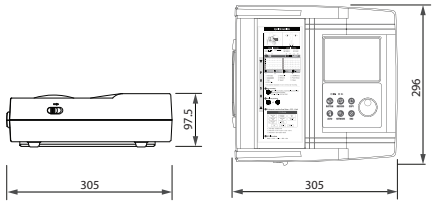
- ECG data storage & management workstation
- Bidirectional connection for patient's measurement, record, review, print preview, and spirometer measurement
- Support best report, dual ECG comparison, measurement with width & height, magnifying glass mode
- ECG data conversion to EMR compatible file formats (TEXT, JPEG, PDF, XML, MFER) DICOM PACS connectivity (opt.)

SPECIFICATION

Environment	
Operation	• Ambient temperature: 10~40 ˚C • Relative humidity: 30~85%RH • Atmospheric pressure: 70~106KPa
Storge/Ship	• Ambient temperature: -20~60 ˚C • Relative humidity: 10~95%RH • Atmospheric pressure: 50~106KPa

Accessory	
Satandard	• Patient cable (1ea) • Limbs electrodes (1set) • Chest electrodes (1set) • ECG chart paper (1ea) • Power cord (1ea)

* Specifications can be changed without prior notification.
* You may have distortion or signal noise when you use nonstandard or other brand's accessories. We strongly recommend using only the authorized accessories which we supply.

General	
ECG leads	• Simultaneous 12 leads resting ECG
Display	• 4.3" color TFT wide display (480 X 272) • 12ch preview, ID, HR, Gain, Speed, Power status
Dimension & weight	305(W) X 296(H) X 97.5(D)mm & approx. 3.5kg
Packing dim. & weight	415(W) X 400(H) X 215(D)mm & approx. 6kg
	
Recording channel	• 3CH+1RHY, 3CH+3RHY, 6CH+1RHY, 12CH, •1ch long time (1min.) • Special beat report (Text, Guide, Vector)
Gain	• 2.5, 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV
Printing speed	• 5, 12.5, 25, 50, 100mm/sec.
Sampling rate	• Analysis sampling rate: 500 sample/sec. • Digital sampling rate: 8,000 sample/sec.
Filters	• AC (50/60Hz, -20dB or better) • Muscle (25~35Hz, -3dB or better) • Base line drift (off, 0.05, 0.1, 0.2Hz, -3dB or better) • Low pass filter (off, 40Hz, 100Hz,150Hz)
User interface	• Touch screen, Rotary push-knob
Printer resolution	• Thermal print head, Roll paper • Report paper (width X length) — A4: 215mm (8.5") X 297mm (11.7") — Letter: 215mm (8.5") X 279mm (11") • Resolution: 8dot/mm (0.125mm pitch)
Patient data	• ID, Name, Age, Gender, Height, Weight
Basic measurement	• Heart rate: 30~300bpm (±3bpm) • PR/RR int., QRS dur., QT/QTc int. • P-R-T axis, SV1/RV5/R+S amp.
ECG data storage	• Internal storage for 200 cases: Built-in memory
Electrical	• Internal noise: 20uV(p-p) max. • Input impedance: ≥50mΩ • Input voltage range: ±5mV • CMRR: >105dB • DC offset voltage: ≥ ±400mV • Patient leakage current: <10uA • Frequency response: 0.05 ~150 within -3dB • Isolated, defibrillation and ESU protected
Signal quality control	• Pacemaker pulse detection • Lead fault detection • Signal saturation detection
Line power	• Input: 100~240Vac, 1.5~0.75A, 50~60Hz • Output: 15Vdc, 4.2A
Battery type	• Replaceable and rechargeable lithium-ion battery (11.1V, 2,600mA)
Bettery capacity	• 6hrs. of normal use or print 200 ECG pages (12ch format at 25mm/sec. and 10mm/mV) • Battery recharge to full capacity in 3hrs.
Communication	• LAN, Wi-Fi (opt.), USB flash driver, USB barcode scanner
Safety conformity	• Class I, Type CF defibrillation-proof applied part

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