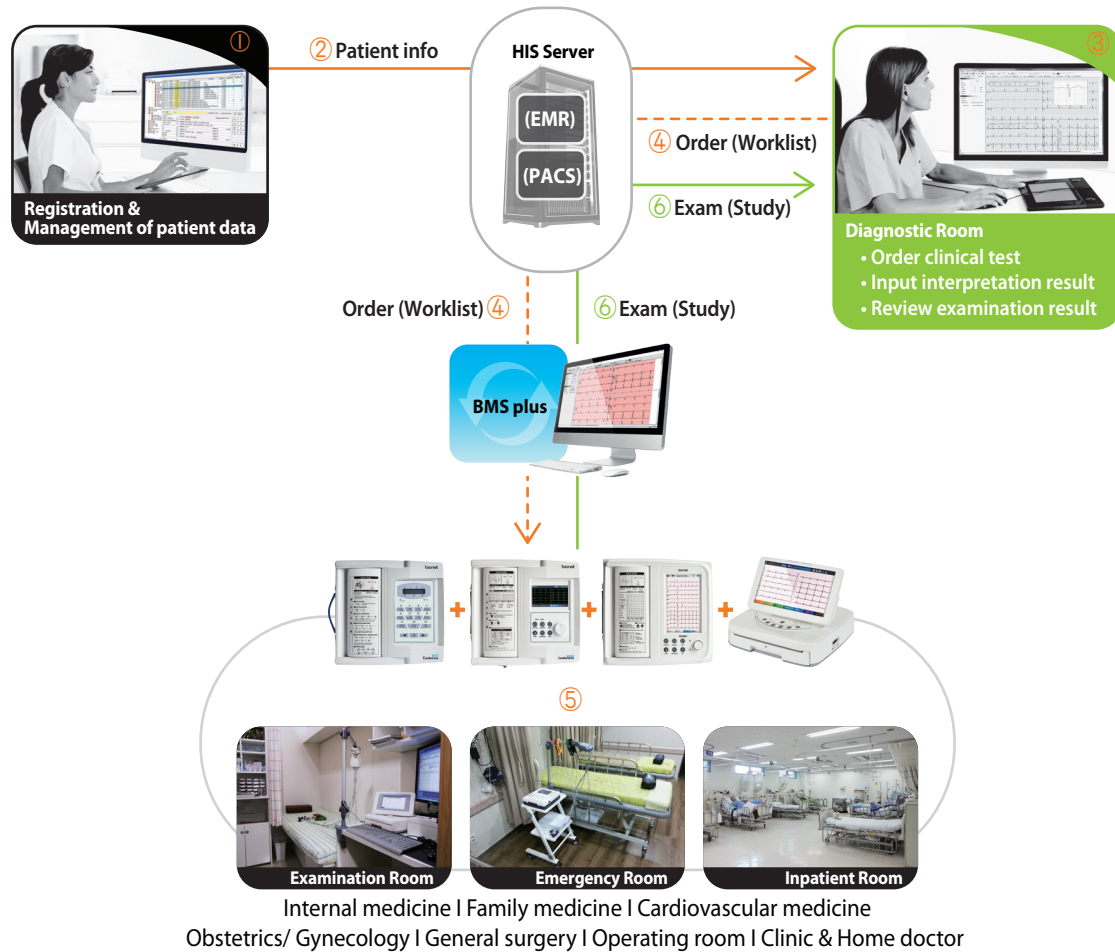


BMS-PLUS ECG, Spirometer Monitoring System



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



WALEN+TEC Since 1999

CardioCare²⁰⁰⁰

Economic & Interpretive 12CH Resting ECG with Easy Functions



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CardioCare 2000

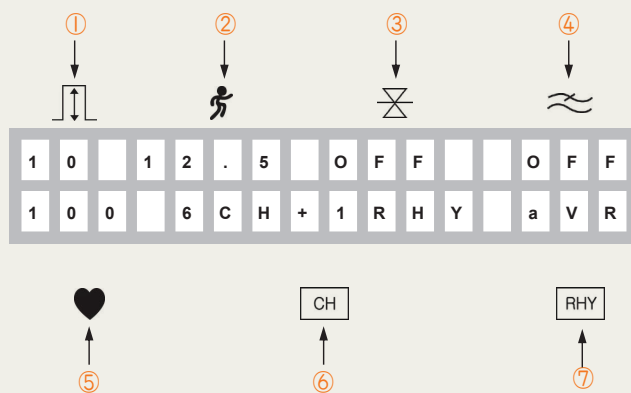
Economic & Interpretive 12CH Resting ECG with Easy Functions

12CH Resting ECG

- One-touch operation (monitoring & recording mode)
- Accurate simultaneous 12ch cardiac data acquisition
- Convenient chart filing with A4 sized print-outs
- Grid function and fax paper available at low cost
- Copy function enables different type of print-outs
- Multi-language (Chinese, English, French, German, Italian, Korean, Polish, Portugues, Romanian, Russian, Spanish, Turkish)
- Lead fault detection
- Over 120 kinds of interpretation results based on advanced Minnesota code (Adult, Pediatric)
- Long-term 1min.

LCD Panel

LCD panel displays system setting status after indicating the version of the system and manufacturer name for 2 seconds when power is turned on



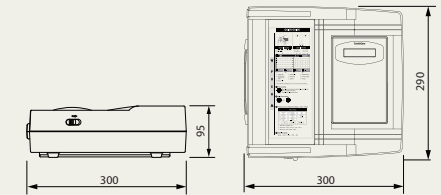
- ① Display ECG signal level out of 5, 10, 20, auto (mm/mV)
- ② Display printing speed out of 12.5, 25, 50 (mm/sec.)
- ③ Display base line filter setting out of 0.05, 0.1, 0.2
- ④ Display EMG filter setting on or off
- ⑤ Display heart rate
- ⑥ Display channel form of the output report out of 3ch+1rhy, 6ch+1rhy, 12ch rhy, 60s 1rhy
- ⑦ Display rhythm channel setting out of I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6



SPECIFICATION

Environment	
Operation	<ul style="list-style-type: none"> • Ambient temperature: 10~40°C • Relative humidity: 30~85%RH • Atmospheric pressure: 70~106KPa
Storage/Ship	<ul style="list-style-type: none"> • Ambient temperature: -20~60°C • Relative humidity: 10~95%RH • Atmospheric pressure: 50~106KPa
Accessory	
Standard	<ul style="list-style-type: none"> • Patient cable (1ea) • Limbs electrodes (1set) • Chest electrodes (1set) • ECG chart paper (1ea) • Power cord (1ea)

General	
ECG leads	• Simultaneous 12 leads resting ECG
Display	<ul style="list-style-type: none"> • 2 X16 Char LCD display • HR, Gain, Speed, Filter status • Printing form, Rhythm lead
Dimension & weight	300(W) X 290(H) X 95(D)mm & approx. ≒ 3kg
Packing dim. & weight	415(W) X 400(H) X 215(D)mm & approx. ≒ 6kg



Recording channel	<ul style="list-style-type: none"> • 3CH+1RHY, 6CH+1RHY, 12CH, • 1ch long time (1 min.)
Gain	• 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV
Speed	• 12.5, 25, 50mm/sec.
Sampling rate	<ul style="list-style-type: none"> • Analysis sampling rate: 500 sample/sec. • Digital sampling rate: 8,000 sample/sec.
Filters	<ul style="list-style-type: none"> • AC (50/60Hz, -20dB or better) • Muscle (25~35Hz, -3dB or better) • Base line drift (0.05, 0.1, 0.2Hz, -3dB or better) • Low pass filter (off, 40Hz, 100Hz, 150Hz)
User interface	• Short key
Printer resolution	<ul style="list-style-type: none"> • Thermal print head, Roll paper • Report paper (width X length) <ul style="list-style-type: none"> — 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	<ul style="list-style-type: none"> • Heart rate: 30~300bpm (±3bpm) • PR/RR int., QRS dur., QT/QTc int. • P-R-T axis, SV1/RV5/R+S amp.
Electrical	<ul style="list-style-type: none"> • 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
Line power	<ul style="list-style-type: none"> • Input: 100~240Vac, 1.5~0.75A, 50~60Hz • Output: 15Vdc, 4.2A
Battery type	• Replaceable and rechargeable lithium-ion battery (10.8V, 3,250mA)
Battery capacity	<ul style="list-style-type: none"> • 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
Safety conformity	• Class I, Type CF defibrillation-proof applied part

* 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.