

12 ch ECG



Interpretive 12 Channel Resting  
ECG with Color LCD Touch Screen

# CardioTouch 3000

- \* Convenient A4 size print-outs allow for easy chart filing
- \* Grid function allows you to use low cost plain fax paper
- \* One-touch operation (monitoring, recording mode)
- \* 12Ch simultaneous display
- \* Wide and Clear Color TFT LCD
- \* Touch screen for easy operation
- \* Rotary Key Access to All Menus

- 12channel interpretive ECG
- Over 130 kinds of interpretation results based on advanced Minnesota code
- Memory for up to 120 patients
- Real-time preview monitor
- PC compatible through LAN
- Multi-language(English,Russian,French, German,Italian,Chinese,Spanish,Turkish)available
- Lead fault message
- Pace maker detection



# SPECIFICATIONS

## ECG >>>

<b>ECG leads</b>	10 lead, 12 channel simultaneous ECG and acquisition
<b>Dimension</b>	296(W) × 305.5(H) × 92.5(D)mm, approx.3.5kg
<b>Recording channel</b>	3 channels, 6 channels, 12 channels, 60 second 1 channel and beat report
<b>Sensitivity</b>	2.5, 5, 10, 20, auto(I~aVF: 10, V1~V6: 5) mm/mV
<b>Printing speed</b>	12.5, 25, 50 mm/s
<b>Sampling rate</b>	500 samples/sec
<b>Filters</b>	AC(50/60 Hz, -20 dB or better) Muscle(25~35 Hz, -3 dB or better) Base line drift(0.1 Hz, -3 dB or better) Low pass filter : off, 40 Hz, 100 Hz, 150 Hz
<b>Display</b>	480 X 272 Color TFT LCD Display, 3 and 12 channels preview ECG wave
<b>Monitor display</b>	ID, date, sensitivity, speed, filter, form, rhythm lead
<b>User interface</b>	Touch screen(Alphanumeric and symbol available), Keyboard, rotary push-knob(pop-up menu)
<b>Patient data</b>	ID, name, age, sex, height, weight, smoke, race
<b>Basic measurement</b>	Heart rate, PR int, QRS dur, QT/QTc, P-R-T axis
<b>Recorder</b>	Thermal print head, roll paper Report papers : width : A4 : 210mm or 8.5" / length : A4 : 300mm or 11" Resolution : vertical : 8dot/mm / horizontal : 16dot/mm
<b>Electrical</b>	Internal noise: 20μV(p-p)max / Input circuit : floating input Input impedance : ≥ 10M Ω / Input voltage range : ≥ ±5mV Common mode rejection : > 100 dB / DC offset voltage : ≥ ±300mV Time constant : 3.2sec / Patient leakage current : < 10μA Frequency response : 0.05 ~ 150 Hz / Isolated and defibrillation protected
<b>Signal quality control</b>	Disconnected lead detection, Pacemaker pulse detection
<b>ECG data storage</b>	storage for 120 ECGs (Internal on flash memory)
<b>Power</b>	Power supply : AC or built-in battery(option) 95 ~ 240 VAC, 50/60 Hz, 1.0 ~ 0.5A, 60W max
<b>Battery(Ni-MH)</b>	1 hour of normal use (approx. 100 ECG printouts)
<b>Communication</b>	PC connection with RS232 interface and LAN
<b>Safety conformity</b>	Class I, Type BF, CE, CSA, FDA, KFDA, SFDA, CCC
<b>Environment</b>	Operating humidity : 30~85% / Operating temperature : 10 ~ 40℃ Atmospheric pressure : 70 ~ 106KPa
<b>Standard accessory</b>	Power cord 1 EA, Patient cable 1 EA, Limb 1 set(4 EA), Chest ball 1 set(6 EA), Chart paper 1 EA, Operation manual 1 EA
<b>Options</b>	Rechargeable battery, Cart, Hanger, Bag, PC S/W

\* Specifications can be changed without prior notification.



Main office: Bionet Co., Ltd.  
Tel.: +82-2-6300-6418 (Int'l)  
E-mail: sales@ebionet.com (Int'l)

Web: www.ebionet.com  
Tel.: +82-2-6300-6477 (Domestic)  
E-mail: yunms@ebionet.com (Domestic)



**Delrus Europe Kft.**  
Allee Corner Business Center  
Corner Tower, 4th floor  
Hungary, 1117 Budapest, Október 23. utca 8-10.

Tel.: +36 1 882-3579,  
Fax: +36 1 882-3501  
E-mail: delrus.e@delruseurope.com  
Web: www.delruseurope.com