12 ch ECG

Interpretive 12 Channel Resting ECG with Color LCD Touch Screen

CardioTouch 3000S

* 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
* PRE-POST bronchodilator Comparison
* Rotary Key Access to All Menus
* Infection-free Patented sensing Method using Disposable Mouth piece(option)

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



Bionet

SPECIFICATIONS

ECG >>>

ECG leads	12 lead, 12 channel simultaneous ECG and acquisition
Dimension	296(W) × 305.5(H) × 92.5(D)㎜, approx.3.5㎏
Recording channel	3 channels, 6 channels, 12 channels, 60 second 1 channel and beat report
Sensitivity	2.5, 5, 10, 20, auto(I~aVF: 10, V1~V6: 5) ㎜/㎷
Printing speed	5, 12.5, 25, 50, 100 ㎜/s
Sampling rate	500 samples/sec
Filters	AC(50/60㎐, -20㏈ or better) Muscle(25~35㎐, -3㏈ or better) Base line drift(0.1㎐, -3㏈ or better) Low pass filter : off, 40㎐, 100㎐, 150㎐
Display	480 × 272 Color TFT LCD Display, 3 and 12 channels preview ECG wave
Monitor display	ID, date, sensitivity, speed, filter, form, rhythm lead
User interface	Touch screen(Alphanumeric and symbol available), Keyboard, rotary push-knob(pop-up menu)
Patient data	ID, name, age, sex, height, weight, smoke, race
Basic measurement	Heart rate, PR int, QRS dur, QT/QTc, P-R-T axis
Recorder	Thermal print head, roll paper Report papers : (width x length) - A4 : 215㎜(8.5") x 297㎜(11.7") - Letter : 215㎜(8.5") x 280㎜(11") Resolution - vertical : 8dot/㎜ - horizontal : 16dot/㎜
Electrical	Internal noise: 20㎶(p-p)max Input circuit : floating input Input impedance : ≥10MΩ Input voltage range : ≥ ±5mV Common mode rejection : > 100㏈ DC offset voltage : ≥ ±300mV Time constant : 3.2sec Patient leakage current : < 10㎂ Frequency response : 0.05 ~ 150㎐ Isolated and defibrillation protected
Signal quality control	Disconnected lead detection, Pacemaker pulse detection
ECG data storage	storage for 120 ECGs (Internal on flash memory)
Power	Power supply : AC or built-in battery(option) 95 ~ 240 VAC, 50/60㎐, 1.0 ~ 0.5A, 60W max
Battery(Ni-MH)	1 hour of normal use (approx. 100 ECG printouts)
Communication	PC connection with RS232 interface and LAN
Safety conformity	Class I, Type BF, CE, FDA, KFDA, SFDA
Environment	Operating humidity : 30~85% Operating temperature : 10 ~ 40℃ Atmospheric pressure : 70 ~ 106KPa
Standard accessory	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
Options	Rechargeable battery, Cart, Hanger, Bag, PC S/W

SPIROMETER >>>

Dimension	47(W) × 200(H) × 34(D)㎜, approx.250g
Measuring Values	FVC: FVC, FEV 1.0, FEV 1/FVC, FEF 0.2-1.2L, FEF 25-75%, FEF 75-85%, PEF, FEF 25%, FEF 50%, FEF 75% SVC: SVC, ERV, IRV, TV, EC MVV: MVV, FB, TV
Presentation	Flow volume loop Flow time plot Measurement values table
Measuring range	Flow : 0 to ±14 L/s Volume : 0 to ±11L
Measuring method	Differential pressure method
Prediction equation	Morris-Polgar, ECCS-Quanjer, Knudson-ITS
Sample rate	200 samples/sec
Flow impedance	<0.2 mbar s/l at 12 l/s
Measuring accuracy	Complies with ATS (American Thoracic Society)
Environment	Ambient temperature : 15 to 40℃(59 to 104°F) Relative humidity : 10 to 90%(non-condensing) Atmospheric pressure : 700 to 1060hPa
Standard accessory	Nose clip 1 EA Adapter 2 EA Operation manual 1 EA Disposable mouthpiece 1 box(100 EA)

*Specifications can be changed without prior notification.

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