

Cardio Q50 ECG MONITOR

bionet

Specifications

Physical & Display		Printer(Opt.)	
Dimension(mm)	286(W) x 350(D) x 140(H)	Speed	5, 12.5, 25, 50, 100 mm/sec Thermal Print Head, Z-fold Paper Report Paper - A4 : 210(8.3") x 300(11.8")mm - Letter : 215(8.5") x 280(11")mm
Weight(Kg)	4.13(with Printer)	Resolution	Resolution - Vertical : 8 dot/mm - Horizontal : 16 dot/mm (0.125mm pitch)
Display	Color TFT Touchscreen	Paper Size (WxHxD)	- A4 : 210 x 150 x 25 mm - Letter : 216 x 140 x 25 mm
Size	8"	Spirometer Handle(Opt.)	
Resolution	1024 x 600	Method	Differential Pressure Method
Control Keys	Power Key, Auto Key, Rhythm Key, Copy Key, ESC Key	Range	Flow : 0 to ± 14 L/s Volume : 0 to ± 12 L - FVC : FVC, FEV1, FEV1/FVC, FEF 0.2-1.2L, FEF 25-75%, FEF 75-85%, PEF, FEF 25%, FEF 50%, FEF 75%, FIVC, FEV6, PEFT, FET 100%, Error Code, Extrapolation Volume - COPD : FEV1, FEV6, FEV1/FEV6, LFI, COPD Classification - SVC : SVC, TV, ERV, IRV, EC - MVV : MVV, FB, TV
Display Information	Heart Rate, Patient ID, Record time, Lead fault inform, Retry Queue, Barcode scanner connection, USB connection, Network connection, Battery power indication, Date/time, Button : Speed, Sensitivity, Filter, Print Form, Disclosure, Setup, Go To(move to main screen)	Values	Complies with ISO 26782, ISO 23747
ECG		Presentation	Flow Volume Loop Volume Time Graph Measurement Values Table
ECG Interpretation	- Bionet ECG analysis algorithm, - Supports the University of Glasgow ECG analysis algorithm	Prediction Equation	Morris-Polgar, Knudson-ITS, ECCS-Quanjer, Korea CJK, Pereira, GLI-2012
ECG Lead	10 Leads : 12CH I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6	Sample Rate	200 samples/sec
Simultaneous lead acquisition	Up to 10 leads	Flow Impedance	< 0.2 mbar s/L at 12 L/s
Standard Measurement	Heart Rate (30 to 300bpm ± 3 bpm), PR/RR Int, QRS Dur, QT/QTc Int, P-R-T axis, SV1/RV5/R+S Amp	Environmental Specifications	
ECG Reports	3CH+3RHY, 3CH+1RHY, 6CH+1RHY, 12CH, 6CH+ST Map 1CH Long Time (1, 3, 5, 10, 20, 30min) and Special Beat Report (Text, Guide, Vector, ST Map)	Temperature	Operating 10 to 40 °C Storage -20 to 60 °C
Sensitivity/Gain	2.5, 5, 10, 20, Auto(I to aVF : 10, V1 to V6 : 5)mm/mV	Humidity	Operating 30 to 85% Storage 10 to 95%
Filters	- AC (50/60Hz, -20dB or better), - Muscle (25 to 35Hz, -3dB or better), - Bionet Baseline Drift (0.05, 0.1, 0.2Hz, -3dB or better) - Low Pass Filter (off / 40, 100, 150Hz)	Altitude	Operating 700 to 1060 hPa Storage 500 to 1060 hPa
Disclosure	Stores and displays ECG data up to 30 min	Power Specifications	
Patient Information	Patient ID, Name, Date of Birth, Age, Gender, Height, Weight, Race, Smoke, Department, Room No., Study Desc., Accession No., Referring Physician	Line Voltage	100 to 240 VAC
Data Storage	Internal Storage for 500 Data : Built-in Memory	Current	1.5 to 0.75 A
Communication	LAN, Wi-Fi(Opt.), USB flash driver, USB barcode scanner	Frequency	50/60 Hz
		Battery	Rechargeable Lithium ion 10.8 V 6,500mAh
		Battery Capacity	10 hrs of normal use or print 350 ECG(12 channel format at 25mm/s and 10mm/mV) or Spiro pages - Battery recharge to full capacity in 3 hrs (The device is turned off)

Network

Wireless(Optional)	IEEE 802.11 (ac, a, b, g, n)
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Safety

Type of Protection	Class I · Type CF Applied Parts : ECG Electrodes · Type B Applied Parts : Spirometer Handle
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Headquarters Bionet Co., Ltd.

5F, 61 Digital-ro 31-gil, Guro-gu, Seoul, Korea 08375

TEL. +82 2 6292 6410

E-Mail. domestic.sales@ebionet.com

info.sales@ebionet.com (Overseas Sales)