

Satisfaction Superiority Specialization

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Stress ECG Display
ECG Data Analysis



ECG Signal
Acquisition



Treadmill

ELECTROCARDIOGRAPH

STRESS ECG

- Cost-effective stress ECG system
- CARDIPIA ECG interfaced with PC
- Automatic ST measurement
- Automatic ECG analysis
- Automatic arrhythmia detection and alarm
- Configuration of analysis parameters
- Continuous ECG display
- Copies and printed report of analysis result
- Editing creation of treadmill protocol
- Easy operation by Touch Screen (Type A)
- SD card memory (Type A)
- LAN/USB/RS232 connection (Type A)

CE 0123



TRISMED
Cardiac Diagnosis Systems

Technical Specifications CARDIPIA 400 / CARDIPIA 800

Recording system	High resolution thermal array printer(8 dots/mm)
Recording channel	6/3—ch(Type 406RS/Type 406RSA) 12/6/3—ch(Type 812RS/Type 812RSA)
Recording paper	110/63 mm × 30 m thermal sensitive roll paper (Type 406RS/Type 406RSA) 216/210 mm × 30 m thermal sensitive roll paper (Type 812RS/Type 812RSA)
Recording ECG leads	12 standard leads: I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
Sensitivity	5, 10, 20 mm/mV
Recording speed	5, 10, 12.5, 25, 50 mm/sec
Recording operation	Automatic / Manual recording
ECG copy	Reprint for the last patient
Full disclosure report	Captured ECG trace for 1min while displaying ECG
Snap ECG record	Latest signal save for 8sec while displaying ECG
ECG Acquisition	Simultaneous 12—lead ECG acquisition
Alphanumeric data input	ID, age, patient name, hospital name and etc with alphanumeric key
Frequency response	Filtered 0.5~30 Hz / Unfiltered 0.05~150 Hz
Digital filter	Drift, muscle, and AC (50/60 Hz)
1 mV calibration	Interval 1 mV signal record for frequency and sensitivity response
A/D conversion	12 bits
Sampling rate	2 ms
CMRR	Greater than 100 dB
Input impedance	Greater than 100 Mohm
Performance	Comply with AAMI requirements
Safety	Class I (Degree of protection against electric shock : Type CF applied parts)
Defibrillator protection	5000VDC
Patient leakage current	Less than 10 μ A
A/C power	Free voltage AC 100 — 240 V $\pm$ 10%, ~ 50/60 Hz
D/C power	Built-in rechargeable battery, (+24 V, 600 mA, NiCd)
Digital interface (Option)	RS232 to connect external apparatus
Heart rate(Option)	30~200bpm
PC network(Option)	ECG data transmission to PC, ECG save on PC, ECG record to PC printer
Real time clock(Option)	Date, time(Option)
Arrhythmia detection(Option)	Automatic record mode
Pace maker detection(Option)	Pace maker detection
Memory	Built in memory(option, Type 406RS / Type 406RSA) USB/SD card(Type 812RS / Type 812RSA)
LCD (Standard, 2.5" LCD B/W)	Graphic LCD (64 × 128 dots), Viewing area : 60 × 32.5 mm (Type 406RS / Type 812RS)
LCD (Standard, 3.5" LCD Color)	320 × 240 dots, Viewing area : 70.08 × 52.56 mm (Type 406RSA / Type 812RSA)
LCD (Option, 4" LCD B/W)	Graphic LCD (240 × 320 dots), viewing area : 57 × 75 mm (Type 406RS / Type 812RS)
LCD (Option, 5.7" LCD B/W)	Graphic LCD (240 × 320 dots), viewing area : 90 × 120 mm (Type 406RS / Type 812RS)
LCD (Option, 7" LCD Color)	800 × 480 dots, Viewing area : 152.40 × 91.44 mm (Type 406RSA / Type 812RSA)
Touch Screen	3.5" color LCD, 7" color LCD (Type 406RSA / Type 812RSA)
Auto power off	After 5 minutes of complete inactivity
Dimension	333 × 310 × 87 mm (812RS), 313 × 252 × 85 mm (406RS)
Weight	3 Kg including rechargeable battery
Temperature	Operating : 10 ~ 40 °C, Storage : -40 ~ 70 °C
Relative humidity	Operating : 30 ~ 75% , Storage : 10 ~ 80%
Atmosphere	700 ~ 1060 hPa

Technical Specification (Stress ECG S/W)

Lead System	12 standard leads
Recorded signal frequency range	0.05 ~ 75 Hz
ECG amplifier	input from 406RS and 812 RS
A/D converter	12 bits
Paper speed	25 mm/sec
Protocol	RS232 for Nurytec Treadmill (VR3000TSM) Computer control treadmill speed and incline
PC	Pentium II at 450 MHz processor. 64MB of RAM memory. Hard disk with at least 2GB of free space. SVGA display 2 serial port RS232/ USB compatible

Technical Specification (VR3000TSM Treadmill)

Length and width	270(L) × 800(W) × 1340(H) (mm)
Weight	205 Kg
Incline range	0 % to 25 % in 1 % increment
Speed range	0.5 Km/h to 20 Km/h
Running area	1350(L) × 500(W) (mm)

※ Contents and specification subjects change without notice

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