



CARDIOTECH **GT-400**

ECG / EKG MACHINE

FEATURES

- 12.1 inch high-resolution foldable color TFT touch-screen
- Specific function keys for Exercise ECG test
- Various treadmills or bicycles and Suntech tango+ exercise blood pressure monitor supported
- Customized exercise protocols
- ST analysis and reports
- Complete digital filters, resisting baseline drift, AC and EMG interference
- Ethernet and RS-232 interface for data transmission to PC
- Built-in rechargeable Lithium battery
- Sleep mode for saving energy and extending LCD life
- Real-time waveform freezing
- 120 seconds ECG waveform reviewable
- Waveforms and auto-diagnosis results preview before printing
- Automatic arrhythmia detection and recording
- 200 ECGs in internal memory
- Automatic measurement and interpretation tested with authoritative CSE database
- Heart rate variability (HRV) analysis
- PC-based data management and measurement software "Smart ECG Viewer" (Option)
- Trolley and cable bracket (Option)
- Optional stress test capability

TECHNICAL SPECIFICATIONS

Input Circuit	Defibrillation protection built-in
Lead	Standard 12 leads
Acquisition Mode	Simultaneous 12 lead acquisition (10-24 seconds adjustable)
A/D Converter	24 bits
Input Voltage Range	$\pm 5\text{mVpp}$
Time Constant	$> 3.2\text{s}$
Frequency Response	0.05Hz - 150Hz
Calibration Voltage	1mV $\pm 2\%$
Sensitivity	2.5,5,10,20 ,10/5,AGC (mm/mV)
Input Impedance	50M Ω (10Hz)
Input Circuit Current	$< 10\text{nA}$
Noise Level	$< 12.5 \mu\text{Vp-p}$
Anti Baseline Drift	Automatic
Patient Leakage Current	$< 10 \mu\text{A}$ (220V-240V)
Patient Auxiliary Current	$< 0.1 \mu\text{A}$ (DC)
Filter	EMG filter 25Hz/35Hz/45Hz/OFF OFT filter 0.05/0.15/0.25/0.5/0.32/0.67Hz Lowpass filter 150Hz/100Hz/75Hz AC filter 50 Hz/60Hz
CMRR	115dB
Recording Mode	Auto/Manual/Rhythm/R -R Analyse
Rhythm Lead	Single lead or three leads selectable
Power Supply	AC:100V-240V,50/60Hz
Battery	Built-in rechargeable Li-ion battery: voltage=14.4V, for about 100 copies ECG printing
Recorder	Thermal printer
Record Paper	Record Paper Folded paper, Rolled paper
Paper width	216mm , 210mm
Record Speed	5mm/s,10mm/s,12.5mm/s,25mm/s,50mm/s ($\pm 3\%$)
Dimension	420mm x 330mm x 120mm
Display	800 x 600 multicolor LCD
External Input/ Output	Input: $> 100\text{K} \Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $< 100 \Omega$; Sensitivity 1V/mV $\pm 5\%$
Communication ports	ports Ethernet, RS232

