



CARDIOTECH GT-100

ECG / EKG MACHINE

CardioTech GT-100 series are high-quality and affordable three-channel ECG units. Compact and light design makes it portable for any work situation.

FEATURES

- Foldable LCD screen with waveform display and parameters configurable
- High resolution thermal printer
- Built-in rechargeable lithium battery, AC/DC power supply
- Well designed membrane keyboard
- Multi-languages selectable
- Data transmission to PC via RS232/Ethernet port
- USB Interface for patient data transportation
- Compatible with external printer for 12 leads simultaneous printing
- Complete digital filter, avoiding baseline drift, AC, EMG interference
- Automatic baseline adjustment to optimize printing position
- Copy mode for additional copies of the latest auto-tested ECG
- Lead-Of detection and alert
- Selectable report options : auto, manual, rhythm and HRV analysis
- Interpretation tested with authoritative CSE database (option)

TECHNICAL SPECIFICATIONS

Input Circuit	Defibrillator protection built-in
Lead	Standard 12 leads
Acquisition Mode	12 leads simultaneously
A/D Converter	12 bits/24 bits (optional OE12 ECG board)
Measurement Range	$\pm 5\text{mVpp}$
Time Constant	$> 3.2\text{s}$
Frequency Response	0.05Hz ~ 150Hz (-3dB)
Calibration Voltage	1mV $\pm 3\%$
Sensitivity	2.5, 5, 10,20 (mm/mV)
Input Impedance	$> 50\text{M}\Omega$
Input Circuit Current	$< 0.050\mu\text{A}$
Noise Level	$< 15\mu\text{Vp - p}$
Baseline Adjustment	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 DFT Filter 0.05/0.15/0.25/0.5Hz Lowpass Filter 150Hz/100Hz/75Hz AC filter 50Hz/60Hz
CMRR	110dB/ $> 115\text{dB}$ (optional DE12 ECG board)
Recording Mode	Auto: 3CH, 3/2CH, 3CH+1R, 1CH, 1CH+1R Manual: 3CH, 3/2CH, 1CH Rhythm: Single rhythm lead
Rhythm Lead	Any lead selectable
Power Supply	AC: 100V-115V/220V-240V, SO/60Hz Built-in rechargeable Li-ion battery: voltage-14.8V More than 3 hours continuous work under battery supply
Recorder	Thermal printer
Recorder Paper	80mm x 20m
Paper Speed	5mm/s, 6.25mm/s,10mm/s, 12.5mm/s, 25mm/s 50mm/s ($\pm 3\%$)
Dimension	288mm x 210mm x 70mm
Display	192 x 64 pixels LCD (Narrow Screen)
External Input/ Output	External Input/ Output Input: $> 100\text{k}\Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $<100\ \Omega$; Sensitivity 1V/mV $\pm 5\%$
Communication Interface	Ethernet, RS232