

CARDIOTECH GT-100

ECG Machine



Report Formats:

- Auto, manual, rhythm and HRV analysis

Battery:

- Built-in rechargeable lithium battery, AC/DC power supply

Screen:

- Foldable LCD screen with waveform display and parameters configurable

Printing:

- Compatible with external printer for 12 leads simultaneous printing

Compact & Light

The 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

- Lead-Of detection and alert
- High resolution thermal printer
- Well designed membrane keyboard
- USB Interface for patient data transportation
- Data transmission to PC via RS232/Ethernet port
- 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
- Interpretation tested with authoritative CSE database (option)



Specifications

Input Circuit

Defibrillator protection built-in

Lead

Standard 12 leads

Acquisition Mode

12 leads simultaneously

A/D Converter

2 bits/24 bits (optional OE12 ECG board)

Measurement Range

$\pm 5\text{mVpp}$

Time Constant

$> 3.2\text{s}$

Frequency Response

$0.05\text{Hz} \sim 150\text{Hz}$ (-3dB)

Calibration Voltage

$1\text{mV} \pm 3\%$

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)

CMRR

110dB/ $> 115\text{dB}$ (optional DE12 ECG board)

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

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, 50/60Hz

Built-in rechargeable Li-ion battery: voltage-14.8V

Recorder

Thermal printer

Recorder Paper

80mm x 20m

Paper Speed

5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s,

25mm/s 50mm/s ($\pm 3\%$)

Dimensions

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