



CARDIOTECH GT-150

ECG / EKG MACHINE

CardioTech GT-150 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
- 3/6/12 leads display simultaneous (only in wide screen)
- Lead-Of detection and alert
- Selectable report options : auto, manual, rhythm and HRV analysis
- Interpretation tested with authoritative CSE database (option)

TECHNICAL SPECIFICATIONS

GT-150 THREE-CHANNEL ECG

Input Circuit:	Defibrillator protection built-in
Lead:	Standard 12 leads
Acquisition Mode:	12 leads simultaneously
A/D Converter:	12 bits/24 bits (optional DE12 ECG board)
Measurement Range:	$\pm 5\text{mVpp}$
Time Constant:	$>3.2\text{s}$
Frequency Response:	0.05Hz - 150Hz (-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:	$<0.05\mu\text{A}$
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:	25Hz/35Hz/45Hz/OFF 0.05/0.15/0.25/0.5Hz 0.32/0.67 (optional DE12 ECG board) 150Hz/100Hz/75Hz 50Hz/60Hz
CMRR:	110dB/115dB (optional DE12 ECG board)
Recording Mode:	Auto: 3CH, 3/2CH, 3CH+R, 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-on battery: voltage-14.8V More than 3 hours continuous recording under battery supply
Recorder:	Thermal printer
Record 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:	320 x 240 pixels LCD (GT-150)
External Input/Output:	Input: $> 100\text{k}\Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $< 100\text{k}\Omega$; Sensitivity 1V/mV $\pm 5\%$
Communication Interface:	Ethernet, RS232