



# Experience the Trace Quality



*Happier Living Everyday*

## SINGLE CHANNEL ECG RECORDER

# CARDIART GenX1



### ECG Analysis & Interpretation

Gender, age & race specific advanced ECG analysis & interpretation - The Glasgow ECG Interpretation Algorithm



### Large character LCD display

Dual row, cool blue, large character LCD Display with adjustable contrast.



### PC Interface

Interfaces with PC using optional Rt-View software



### HRV assessment

Equipped with with Short term HRV assessment



### Thermal printer

58 mm wide paper for clear trace prints.



### Short Recharge Time

Rechargeable lithium battery with fast charge feature for energy efficient operation



### Ergonomic Design

Enhanced portability with built-in power supply & integral handle



### Soft Silicone Keypad

Soft silicone keys for ease of operation



### Multiple Operating Modes

Auto & manual modes with selectable rhythm option



### Internal record storage

Stores up to 20 records internally



**Enhanced ECG diagnosis  
made possible with  
superior trace quality**

## Product Specifications

<b>Power supply</b>	100 to 240VAC; 50 / 60 Hz
<b>Power Consumption</b>	Less than 40VA
<b>Battery Capacity</b>	Auto Mode: 200 ECG's in 1 channel format @25 mm/sec, 10mm/mV, 2.5 s, Normal trace & Interpretation - OFF
<b>Mains protection</b>	Fuse: T2A 250 V
<b>Battery Protection</b>	In built PCM Module
<b>Battery Charging time</b>	Approximately 3 hours from total discharge (Unit off)
<b>ECG Acquisition</b>	12 bits; 1000 samples/sec/channel;
<b>ADC Resolution</b>	2.55 $\mu$ V/LSB
<b>Input Dynamics</b>	DC offset: $\pm$ 300mV; AC Differential: $\pm$ 5mV in the pass band
<b>ECG Leads</b>	Standard 12 leads or Cabrera; Acquired 8 leads & Reconstructed 4 leads (Lead III, Lead aVR, Lead aVL, Lead aVF)
<b>Recording sensitivity</b>	Manual: 2.5mm/mV,5mm/mV,10mm/mV, 20mm/mV $\pm$ 5% Auto: dependent on the signal strength, Optimizes automatically to 2.5mm/mV,5mm/mV,10mm/mV, 20mm/mV $\pm$ 5%
<b>Input Impedance</b>	Greater than 10 M $\Omega$ @ 10 Hz
<b>Frequency Response</b>	0.05 Hz to 150 Hz (-3dB) without Mains /Muscle and ADF Filters.
<b>ECG Analysis &amp; Interpretation</b>	Gender, Age & Race specific Advanced ECG Analysis & Interpretation - University of Glasgow in auto mode
<b>ECG analysis sampling rate</b>	500 samples/second (sps)
<b>Filters</b>	Mains interference/Muscle filter: Linear phase digital 50Hz Notch filter with selectable 32Hz. Anti-drift filter : Selectable Digital 0.5Hz Anti Drift High pass linear phase filter
<b>Display</b>	Large, 16 x 2, Blue, Alphanumeric Display
<b>Keyboard</b>	Silicone Rubber keypad
<b>Paper transport speed</b>	5 mm/sec or 12.5 mm/sec or 25mm/sec or 50 mm/sec
<b>Print formats</b>	Manual: 1 Ch. Auto: 1 Ch, 1 Ch + 1 Rhythm with selectable print durations of 2.5 secs. / 5 secs. / 10 secs.
<b>PC connectivity</b>	ECG transfer to PC through Rt-VIEW SOFTWARE(Optional)
<b>Operating Temperature</b>	+10 to +40 $^{\circ}$ C
<b>Relative Humidity</b>	Upto 95% RH non-condensing.
<b>Safety Classification</b>	Class I with internal power supply
<b>Degree of protection</b>	Type CF
<b>Dimension</b>	Approx. 300mm x 260mm x 80 mm (length x width x height)
<b>Weight</b>	Approx. 2 Kgs.

### CERTIFIED ISO 13485 : 2016 COMPANY

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