

Powered by

Glasgow ECG Interpretation
Algorithm



Experience the
Trace Quality



Twelve Channel Electrocardiograph
BPL CARDIART® *GenX* 12 Series



Happier Living Everyday

1 CARDIART *GenX* 12i

2 CARDIART *GenX* 12i+

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Twelve Channel Electrocardiograph

BPL CARDIART[®] GenX 12 Series



Twelve Channel ECG Recording with unique Trace Darkness Control

ECG Trace Print on 210mm (Z-fold & Roll) / 216mm (Roll) Wide Paper with Selectable Darkness Feature.



Distinct Visual Identities to suit diverse Use-scenarios

Fixed Tilt and Variable Tilt Configurations, Multiple Battery Pack Capacities, and ECG Record Storage Options.



Color TFT Screen with Touch Option *

Experience enhanced viewing with a wide 8/9-inch color display, offering clear visualization of 12-lead ECG waveforms and results.



QWERTY Keypad & One-Touch Function keys

Color-Coded Silicone Keys, QWERTY Keypad, and Navigation Keys for Intuitive Usage



Advanced ECG Analysis & Interpretation

Gender, Age & Race specific ECG Analysis - University of Glasgow Interpretation Algorithm



Multiple Connectivity Options *

USB Drive Export, USB Direct Print Feature, Multiple FTP upload Profile



Paperless Workflow *

PDF, HL7 Export options for easy Data access, Transfer and Storage



Arrhythmia Detection

Extends Rhythm Capabilities, reduces paper consumption and improves diagnostic yield



Freeze Feature

Up to Two minute scrollable trace view for all 12-leads

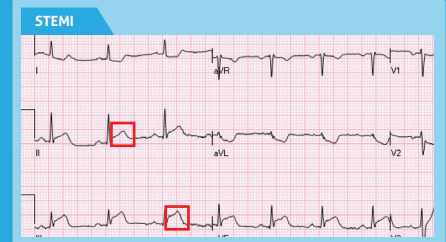
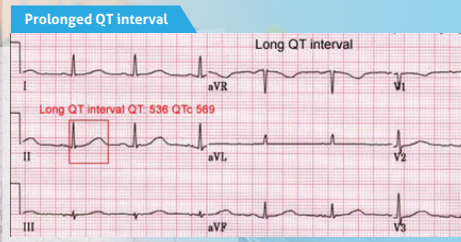


Ergonomic Design

Enhanced portability with built-in power supply, rechargeable Li-ion battery pack, and telescopic handle.

* Compatible with selected printers only
* Optional feature

Your Needs
are Well Heard



Product Specifications

| PARAMETERS | CARDIART GENX12i+ | CARDIART GENX12i |
|-------------------------------|---|------------------|
| Power supply | 100 to 240VAC; 50/60 Hz | |
| Power consumption | Less than 100VA | |
| Battery | Rechargeable Lithium battery pack 14.8Vdc, 3000mAh | |
| Battery Capacity | Auto Mode: 800 ECG's in 12x1 print format @25 mm/sec, 10mm/mV, Normal trace & Interpretation - Minimal | |
| Mains protection | Fuse: T3.15A 250 Vac | |
| Battery Protection | In built PCM Module | |
| Battery Charging time | Approximately 4 hours 30 minutes from total discharge (Unit off) | |
| ECG Acquisition | 12 bits for DC offset & 12 bits for ECG Signal; 1000 samples/sec/channel; | |
| ADC Resolution | 2.55 μ V/LSB | |
| Input Dynamics | DC offset: \pm 300mV; AC Differential: \pm 5mV in the pass band | |
| Battery Charging time | Standard 12 leads or Cabrera; Acquired 8 leads & Reconstructed 4 leads (Lead III, Lead aVR, Lead aVL, Lead aVF) | |
| Recording sensitivity | Manual: 2.5 - 5 - 10 - 20m/mV \pm 5% Auto: dependent on the signal strength, Optimizes automatically to 2.5-5-10-20mm/mV \pm 5% | |
| Input Impedance | Greater than 10M Ω @ 10Hz | |
| Frequency Response | 0.05Hz to 150Hz (-3dB) without Mains / Muscle and ADF Filters | |
| Time constant | Greater than 3.2 seconds | |
| CMRR | Greater than 90dB @ 50Hz | |
| DF Protection | Internal | |
| ECG Analysis & Interpretation | Gender, Age & Race specific Advanced ECG Analysis & Interpretation - University of Glasgow | |
| ECG analysis sampling rate | 500 samples/second (sps) | |
| Filters | Mains interference/ Muscle filter: Linear phase digital 50Hz Notch filter with selectable 32Hz Filter. Anti-drift filter: Selectable Digital 0.5Hz Anti Drift High pass linear phase filter | |
| Pacemaker recognition | Recognizes pulse in accordance with applicable IEC standards | |
| Signal Memory | Auto Mode: 10 Seconds per Lead; Two-Minute Scrollable Trace View for All 12 Leads; Long Lead Mode: 1 Minute (or 20 Seconds for 3 Leads) Disclosure for Single Lead. | |
| Operating modes | Manual – acquisition and printing in real time Auto – simultaneous acquisition and printing | |
| Heart rate meter | 30 to 240BPM \pm 10% or \pm 5BPM, whichever is greater | |



Product Specifications

| PARAMETERS | CARDIART GENX12i+ | CARDIART GENX12i |
|--------------------------------------|---|---|
| Display | 8"or 8" Touch Color TFT LCD with 800x480 Pixel Resolution and Adjustable Tilt Angle | 9" Color TFT LCD with 800x480 Pixel Resolution and Fixed Tilt Angle |
| Keyboard | Silicone Rubber keypad with tactile feedback - 69 keys & 4 LED indicators | |
| Indicators | Mains Connection, Battery Charging, Battery Low & System Errors | |
| Audible Beep | Heart Rate and Key Press | |
| Startup Time | Less than 4 seconds | |
| Record Storage | 800 ECGs in internal memory | 400 ECGs in internal memory |
| Recording system | Thermal printer, 8 dots/mm, 216mm usable print width. | |
| Paper transport speed | 5mm/sec or 6.25mm/sec or 12.5mm/sec or 25mm/sec or 50mm/sec | |
| Thermal Paper | Roll with pre-printed grid & perforation: <ul style="list-style-type: none"> Width 216mm, Length 15m Width 210mm, Length 15m Z-fold with pre-printed grid & perforation: Width 210mm x 295 mm, 100 sheets | |
| Print channel | 12 Channels | |
| Print formats | Manual: 3x1, 6x1, 12x1 Auto: 12x1, 6x2, 3x4, 6x2 +1 Rhythm, 3x4 +1 Rhythm, 3x4 +3 Rhythm Long Lead: 1 lead for 60 second duration, 3 leads for 20 second durations | |
| PC connectivity | ECG transfer to PC through RT-VIEW SOFTWARE(Optional) | |
| Paper Save Feature | Simultaneous ECG acquisition and saving | |
| Paperless Workflow | ECG Data Export in multiple formats | |
| HL7 Integration | HL7 3.0 Export on USB, Ethernet interfaces. (Optional) | |
| FTP Server Upload | ECG Data upload onto selectable ftp servers in PDF, RAW & HL7 formats (Optional) | |
| Operating Temperature | +10 to +40°C | |
| Relative Humidity | Upto 95% RH non-condensing | |
| Storage/Transport Temperature | -10 to +50°C | |
| Safety Classification | Class I with internal power supply | |
| Degree of protection | Type CF | |
| Dimension | Approx. 420mm x 320mm x 102mm (length x width x height) | Approx. 420mm x 320mm x 128mm (length x width x height) |
| Weight | Approx. 4.5 Kgs (Including battery, without paper) | |
| Standard Accessories | Patient Cable: 1 No. Limb Electrodes: 4 Nos. Chest Electrodes: 6 Nos. Thermal Paper Roll / Thermal Paper Z-Fold: 1 No. User's Manual: 1 No. Power Cord: 1No. Earth Cable: 1 No. | |

*Technical specification subject to change

ISO 13485:2016 CERTIFIED COMPANY
ISO 9001:2015 CERTIFIED COMPANY

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