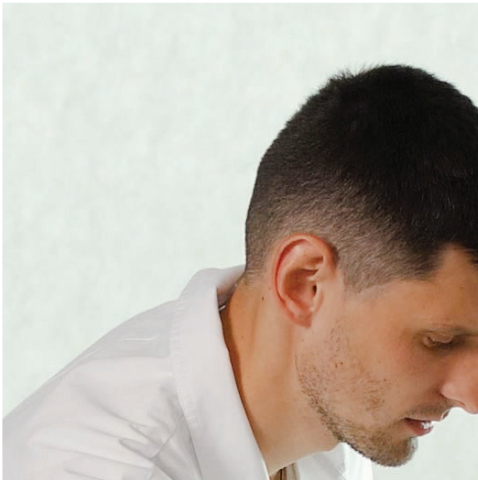
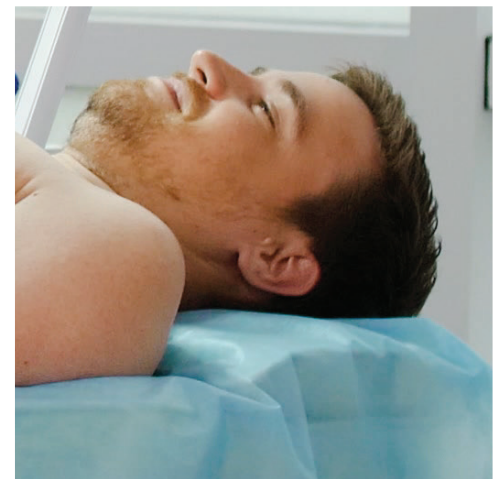




Experience Precision in Every Heartbeat

Twelve Channel Electrocardiograph

BPL CARDIART *GenX* 12 Series



Happier Living Everyday

1 **BPL CARDIART** *GenX* 12*i*

2 **BPL CARDIART** *GenX* 12*i+*

Follow us @bplmedtech



www.bplmedicaltechnologies.com





Twelve Channel Electrocardiograph

BPL CARDIART *GenX* 12 Series



Twelve Channel ECG Recording with unique Trace Darkness Control

Unique feature for customizable ECG trace printing on 210mm (Z-fold/Roll) or 216mm (Roll) wide paper with selectable darkness.



Color TFT Screen with Touch Option *

Wide 8"/9" display with touch option for clear visualization of 12-lead ECG waveforms and results.



Advanced ECG Analysis & Interpretation

Gender, age, and race-specific ECG analysis using the University of Glasgow Interpretation Algorithm.



Multiple Connectivity Options *

USB drive export, USB direct print feature, and multiple FTP upload profiles for seamless data transfer.



Arrhythmia Detection

Enhances rhythm analysis capabilities and improves diagnostic yield.



Distinct Visual Identities

Fixed and variable tilt configurations, multiple battery pack capacities, and ECG record storage options to suit diverse scenarios.



QWERTY Keypad & One-Touch Function keys

Color-coded silicone keys, QWERTY keypad, and navigation keys for intuitive and efficient operation.



Anatomical Lead Placement

Pictorial representation of 12-lead ECG placement for accurate electrode positioning and high-quality signal acquisition.



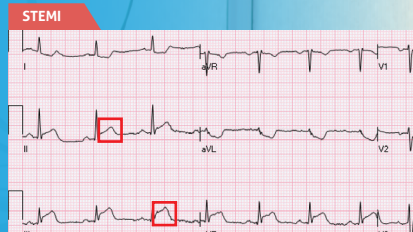
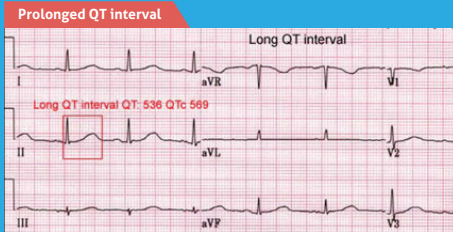
Paperless Workflow *

PDF and HL7 export options for efficient data access, transfer, and storage.



Freeze Feature

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



Your Needs are Well Heard

Product Specifications

PARAMETERS	CARDIART GENX12i+	CARDIART GENX12i
Power supply	100 to 240VAC; 50/60 Hz	
Power consumption	Less than 120VA	
Battery	Rechargeable Lithium battery pack 14.8Vdc, 3000mAh	
Battery Capacity	Auto Mode: 250 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 3 hours	
ECG Acquisition sequence	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	
ECG leads	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 - 10/5m/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 and 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	
Display	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



Product Specifications

PARAMETERS	CARDIART GENX12i+	CARDIART GENX12i
Keyboard	Silicone Rubber keypad with tactile feedback - 69 keys & 3 LED indicators	
Indicators	Mains Connection, Battery Charging, Battery Low & System Errors	
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:	
	- 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	
Audible Beep	Heart Rate and Key Press	
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.	
FTP Server Upload	ECG Data upload onto selectable ftp servers in PDF, RAW & HL7 formats	
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.	User's Manual: 1 No.
	Limb Electrodes: 4 Nos.	Power Cord: 1No.
	Chest Electrodes: 6 Nos.	Thermal Paper Roll / Thermal Paper Z-Fold: 1 No.
	Earth Cable: 1 No.	

*Technical specification subject to change

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

BPL Medical Technologies Private Limited

Regd. Office: 11th KM, Bannerghatta Road,
Arakere, Bangalore - 560076, India.
Toll Free: 1800-4252355
Website: www.bplmedicaltechnologies.com
For Enquiries: sales.medical@bplin
CIN: U33110KA2012PTC067282



Happier Living Everyday