BPL Medical® Technologies

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Experience the Trace Quality

Twelve Channel Electrocardiograph

BPL CARDIART® *GenX 12* Series

BPL

Happier Living Everyday

1 CARDIART *GenX 12 i*

2 CARDIART *GenX 12 i*⁺

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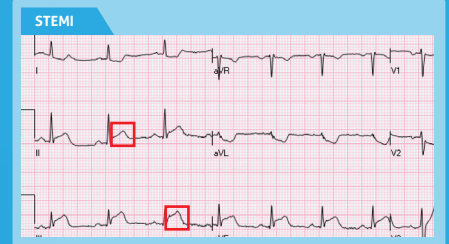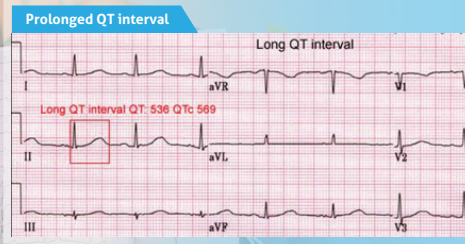Up to Two minute scrollable trace view for all 12-leads

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

* Compatible with selected printers only
\# Optional feature

Prolonged QT interval

Long QT interval

I aVR V1

Long QT interval QT: 536 QTc 569

II aVL V2

III aVF V3

STEMI

I aVR V1

II aVL V2

III aVF V3

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 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 µV/LSB	
Input Dynamics	DC offset: ± 300mV; AC Differential: ± 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 - 10/5m/mV ± 5% Auto: dependent on the signal strength, Optimizes automatically to 2.5-5-10-20mm/mV ±5%	
Input Impedance	Greater than 10MΩ @ 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 ± 10% or ±5BPM, whichever is greater	

Product Specifications

PARAMETERS	CARDIART GENX12i+	CARDIART GENX12i
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
Keyboard	Silicone Rubber keypad with tactile feedback - 69 keys & 3 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: • 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.	
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. 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

ALWAYS USE GENUINE BPL CONSUMABLES AND ACCESSORIES FOR BETTER PERFORMANCE

ORIGINAL

Good at Heart®
A BPL Medical Technologies Initiative

Wake up to Wellness®
A BPL Medical Technologies Initiative

THE ECONOMIC TIMES
BEST HEALTHCARE BRANDS 2023

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