



Experience the Trace Quality

TWELVE CHANNEL ECG RECORDER
CARDIART 9108 D



Happier Living Everyday





Enhanced ECG diagnosis made possible with superior trace quality



Twelve Channel ECG Recording

Simultaneous 12-channel ECG recording with 10-lead acquisition



High Resolution Display

7 inch high resolution display enables the easy viewing of patient demographics and real time ECG data (optional touch screen)



ECG Analysis and Interpretation

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



QWERTY Alphanumeric Keyboard

Ensures the freedom of easy use



Ease of Operation

The user-friendly design of the machine ensures easy operation



External Archiving

Supports external archiving devices such as USB drive, SD card for virtually unlimited ECG data storage



File Formats

Standard PDF and Optional SCP, XML DICOM Formats



Thermal Recorder

Built-in high resolution thermal recorder



Internal Memory

Has an Internal Memory, which can store up to 800 ECG recordings



Built-in Rechargeable Battery

High performance Li-ion rechargeable battery enables mains independent operations



Connectivity

Optional PC interface software to access HIS/EMR/PACS



Pace maker detection

This feature ensures recognition of pacing signal artifacts



Trolley

Custom trolley available as an option

* Variant

Variant available with Touchscreen, Wi-Fi and DICOM functionalities



Product Specifications

GENERAL SPECIFICATIONS

Display	7 inches, 800x480 TFT LCD Screen
Touch Screen	7 inches, optional

PHYSICAL SPECIFICATIONS

Dimensions (Main Unit)	361mmx262mmx135mm (14.2inx10.3inx5.3in); ±2mm
Weight (Main Unit)	4.2kg (9.3 lbs) (Excluding recorder paper and battery)

PERFORMANCE SPECIFICATIONS

Recording

Recorder	Thermal dot-matrix recorder
Recorder Paper	Folded Thermal Paper: 210 mm x 140 mm x 144 pages 210 mm x 295 mm x 100 pages (optional) 215 mm x 280 mm x 100 pages (optional)
Paper Speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%)

HR Recognition

HR Range	30 BPM – 300 BPM
Accuracy	±3 BPM

ECG Unit

HR Range	30 BPM – 300 BPM
Accuracy	±3 BPM
Leads	12 standard leads
Acquisition Mode	Simultaneously 12 leads
A/D	24Bits
Resolution	2.52uV/LSB
Time Constant	≥3.2s
Frequency Response	0.01Hz – 300Hz
Gain	1.25, 2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input Impedance	≥100MQ (10Hz)
Filter	AC Filter: 50Hz/60Hz/Off DFT Filter: 0.01Hz/0.05Hz/ 0.15Hz/ 0.25Hz/ 0.32Hz/ 0.5Hz/0.67Hz EMG Filter: 25Hz/35Hz/45Hz/Off LOWPASS Filter: 300Hz/ 270Hz/ 150Hz/ 100Hz/ 75Hz
Input Circuit Current	≤0.01μA

Input Voltage Range	±±5 mVp-p
Calibration Voltage	1mV±2%
DC Offset Voltage	±600mV
Minimum Amplitude	20 μVp-p
Noise	≤12.5 μVp-p
Multichannel crosstalk	≤0.5mm
CMRR	≥140dB (AC Filter is On) ≥123dB (AC Filter is Off)
Sampling Frequency	16,000 Hz
Pacemaker Detection	Available

SAFETY SPECIFICATIONS

Comply with	IEC 60601-1:2005 IEC 60601-1:2007 EN 60601-1:2006 IEC/EN 60601-2-25 EN 60601-1-2:2007
Anti-electric-shock type	Class I with internal power supply
Anti-electric-shock degree	CE type with defibrillator-proof
Degree of protection against harmful Ingress of water	Ordinary equipment (sealed equipment without liquid proof)
Working Mode	Continuous Operation

ENVIRONMENT SPECIFICATIONS

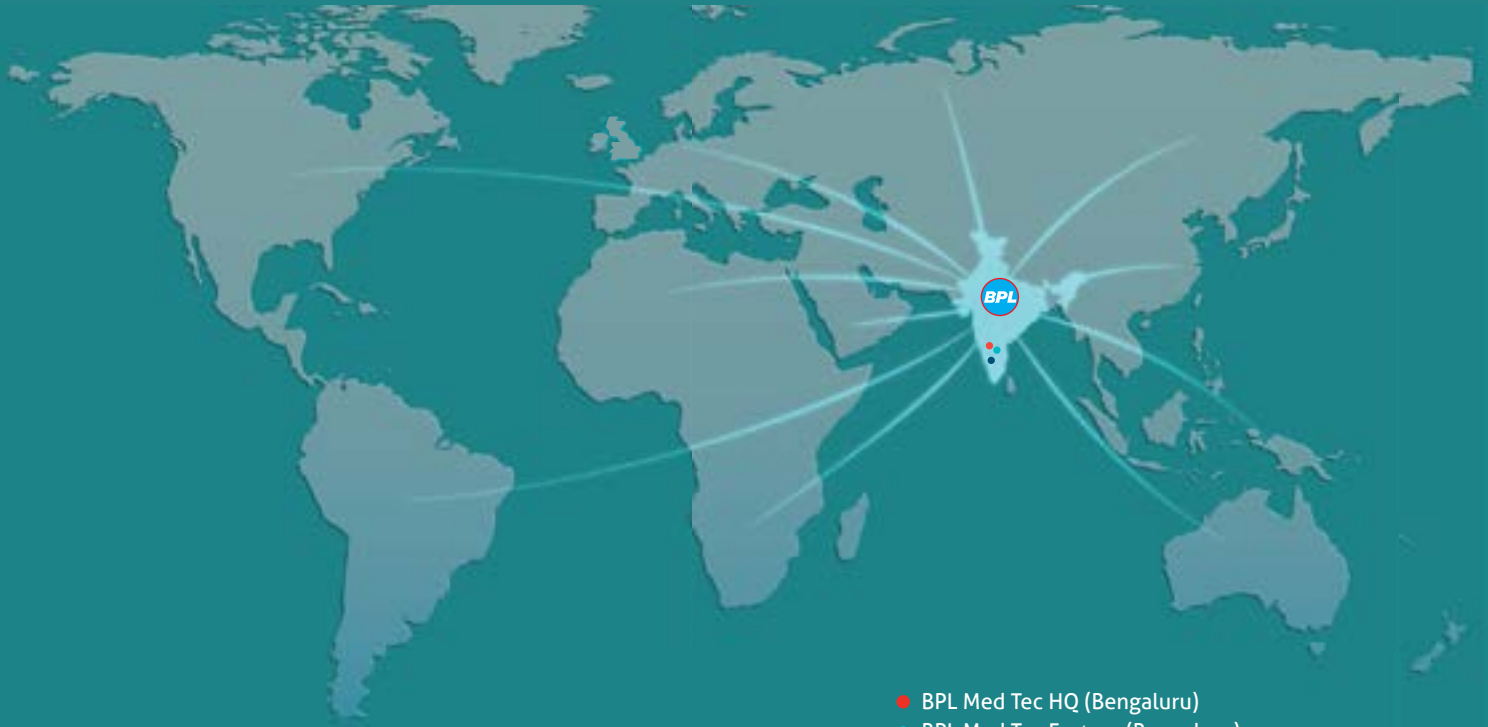
	Transport & Storage	Working
Temperature	-20°C (-4°F) ~ +55°C (+131°F)	±5°C (+41 F) ±40°C (+104 F)
Relative Humidity	25%-93% Non-Condensing	25%-80% Non-Condensing
Pressure	70 kPa ~106kpa	86 KPa ~106 KPa

POWER SUPPLY SPECIFICATIONS

Recorder	Thermal dot-matrix recorder
Mains Supply	Operating Voltage: 100V-240V AC Operating Frequency: 50Hz/60Hz Input Current: 0.9-0.4A
Battery Specifications	Battery Type: Rechargeable Lithium Ion Rated Voltage: 14.8V Rated Capacity: 2500mAh 4 hours with fully charged battery or 300 continuous ECGs print about 1.5 hours in the MANU mode.

*Technical specification subject to change

A Global Medical Technology Company



- BPL Med Tec HQ (Bengaluru)
- BPL Med Tec Factory (Bengaluru)
- BPL Med Tec Factory (Palakkad)

BPL CARDIART 9108 D, Service is Powered by



Service Helpline
1800-425-2355

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

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