

THREE CHANNEL ECG RECORDER





Happier Living Everyday



Three Channel ECG Recording with unique trace darkness control

ECG Trace Print on 80mm Wide Paper with selectable trace darkness feature



Colour TFT Screen

Wide 4.3 inch 65K Color TFT display to observe 12-lead, real-time ECG waveforms



Intuitive, One-Touch Function Keypad

Color-Coded Silicone function keys for soft One-Touch Operation with Alphanumeric keypad for entering Patient & Hospital information



Ergonomic Design

Enhanced portability with built-In power supply & integral handle



Short Recharge Time

Rechargeable Lithium battery for energy-efficient operation - Recharge time < 3.5 hrs.



ECG Analysis & Interpretation

Gender, Age & Race specific Advanced ECG Analysis & Interpretation - The Glasgow ECG Interpretation Algorithm



Multiple Operating Modes

Auto & Manual modes with selectable rhythm, PDF Transfer of ECG via USB# & Page Save Features



Paperless Workflow

ECG Data Export feature to multiple formats enables paperless workflow



Direct Print Feature*

Direct print on color A4 USB# printers in different print layouts



Capacity

Internal record storage for up to 250 ECGs with cyclic



Optional features

USB, FTP Server Upload, HL7, RT-VIEW for PC connectivity.

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^{*} Compatible with selected printers only

Optional Enhancements*



PC Connectivity with ECG Viewer Software

Stored and Real-time ECG transfer to PC through USB enabled by RT-Viewer software

* Upgradable at additional cost

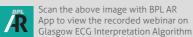
The Glasgow ECG Interpretation Algorithm



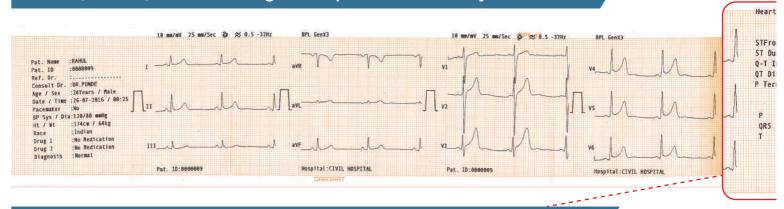
lasgow ECG Interpretation Algorithm is acknowledged as being one of the best ECG interpretation algorithms in the world. This algorithm is tried and tested across all major human ethnic groups the world over and hence has clinical application across all populations.

The ECG is particularly important in the emergency department, as it usually forms the basis for immediate therapeutic interventions and/or subsequent diagnostic tests.

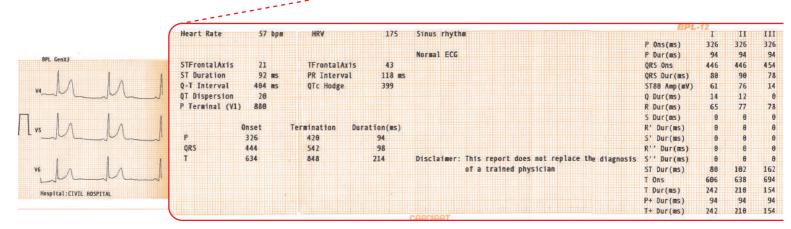
The Glasgow ECG Interpretation Algorithm, developed at the University of Glasgow enables automated means of providing ECG analysis, interpretation and printing of reports and this makes it efficient in complementing the role of a clinician. This algorithm is very effective in interpreting STEMI (ST Segment Elevation Myocardial Infarction) appearances on the ECG.



Short (Minimal) Version of Glasgow Interpretation with Analysis & Medians



Detailed Version of Glasgow Interpretation with Analysis & Medians



Unique Features of Glasgow Algorithm



QT measurements facilitating assesment of cardiac risk



This algorithm is very effective in interpreting STEMI (ST Segment Elevation Myocardial Infarction) based on age and gender dependent criteria



This algorithm uses measurement from large databases for children and adults giving a high specificity



Has the ability to cope with patients of all ages from birth to old age



"Critical values" included in diagnostic reporting template



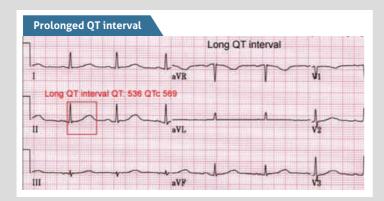
10-sec HRV information disclosure

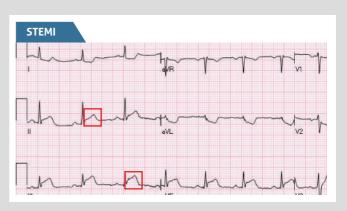


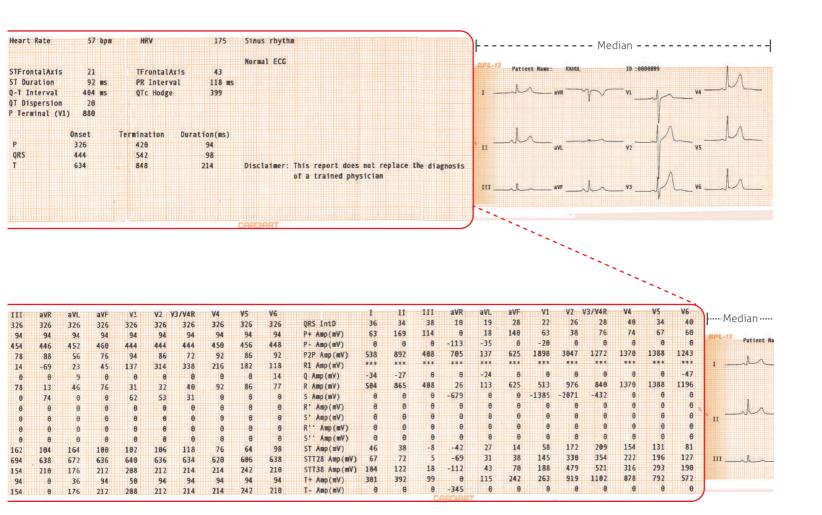
Offers short diagnostic reports for hospitals and detailed reports for primary health centers



The Glasgow ECG Interpretation Algorithm meets applicable IEC 60601-2-25 requirements.







Product Specifications

	Product 3	יץ	cilicatio	1113
J	ECG ACQUISITION			Т
ECG Acquisition	12 bits; 1000 samples/ sec/ channel		Recording System	l
ADC Resolution	2.55 μV/LSB			
Input Dynamics	DC offset: ± 300mV; AC Differential: ± 5mV in the pass band		Paper Transport S	peed
ECG Lead	Standard 12 leads or Cabrera; Acquired 8 leads & Reconstructed 4 leads (Lead III, Lead aVR, Lead aVL, Lead aVF)		Thermal Paper	
	Manual: 2.5 - 5 -10 - 20 mm/mV ± 5%		Print Channel	
Recording Sensitivity	Auto: Dependent on the signal strength, Optimizes automatically to 2.5-5-10-20 mm/mV ± 5%		Print Formats	
Input Impedance	> 10 MΩ @ 10 Hz			
Frequency Response	0.05 Hz to 150 Hz (-3dB) without Mains /Muscle and ADF Filters		D 1 14 16	
Time Constant	> 3.2 seconds		Paperless Workflo)W
CMRR	> 90dB @ 50Hz		PC Connectivity	
DF Protection	Internal		. C connectivity	
	ECG PROCESSING			
ECG Analysis & Interpretation	Gender, Age & Race specific Advanced ECG Analysis & Interpretation -		Battery	
	Glasgow ECG Interpretation Algorithm in Auto mode		Mains Protection	
ECG Analysis Sampling Rate	500 samples/ second (sps)		Battery Protection	1
Filters	Mains interference/ Muscle filter: Linear phase digital 50 Hz Notch filter		Power Supply	
	with selectable 32 Hz. Anti-drift filter: Selectable Digital		Battery Charging	
	0.5Hz Anti Drift High pass linear phase filter		Power Consumpti	on
Pacemaker Recognition	Recognizes pulse in accordance with applicable IEC standards		Operating Tempe	NVIRO
Signal Memory	10 Seconds for each lead in Auto mode			
Operating Modes	Manual: acquisition and printing in real time		Relative Humidity Storage/ Transpor	
	Auto: simultaneous acquisition and printing		Temperature Relative Humidity	/
Heart Rate Meter	30 to 240 BPM ±10% or ±5 BPM, whichever is greater			РНҮ
D	ISPLAY & STORAGE		Dimension	FIII
Display	4.3 inch Color TFT LCD with 480 x 272			
1/ 1	pixel resolution; 65k Color		Weight	
Keyboard	Silicone Rubber keypad with 23 keys & 4 LED indicators		Patient Cable	STA
Indicators	Mains Connection, Battery Charging, Battery Low & System Errors		Limb Electrodes	
Audible Beep	Heart Rate and Key Press		Chest Electrodes	
Startup Time	< 4 seconds		Thermal Paper Ro	ll
Record Storage	250 ECGs in internal memory with		Cardijelly Bottle	
necord Storage	cyclic overwrite		User Manual	
SAF	ETY CLASSIFICATION		Earth cable	
Safety Classification	Class I with internal power supply		Power Cord	

THERMAL RECORDING				
Recording System	Thermal printer, 8 dots/ mm, 72 mm usable print width			
Paper Transport Speed	5 mm/sec or 12.5 mm/sec or 25mm/ sec or 50 mm/sec			
Thermal Paper	In rolls: Height 80mm, Length 20m, gridded			
Print Channel	3 Channel + 1 Rhythm or 3 Channel;			
	Manual: 3 Ch.			
Print Formats	Auto: 3 Ch, 3 Ch + 1 Rhythm with selectable print durations of 2.5 secs./ 5 secs./ 10 secs.			
PC CONNECTIVITY				
Paperless Workflow	ECG Data Export feature to multiple formats enables this specification			
PC Connectivity	Real-time ECG transfer to PC over USB (Optional)			
BATTERY & POWER				
Battery	Rechargeable Lithium battery 11.1Vdc, 3000mAh			
Mains Protection	Fuse: T2A 250 V			
Battery Protection	In built PCM Module			

ENVIRONMENT SPECIFICATIONS				
Operating Temperature	+10 to +40 °C			
Relative Humidity	Upto 95% RH Non-condensing			
Storage/ Transport Temperature	-10 °C to 50 °C			
Relative Humidity	Upto 95% RH Non-condensing			

Less than 60VA

100-240 VAC; 50/60 Hz

Approximately 3 hours 30 minutes from total discharge (Unit off)

PHYSICAL SPECIFICATIONS				
Dimension	Approx. 300mm x 260mm x 80 mm (length x width x height)			
Weight	Approx. 2 Kgs.			

STANDARD ACCESSORIES		
Patient Cable	1 No.	
Limb Electrodes	4 Nos.	
Chest Electrodes	6 Nos.	
Thermal Paper Roll	1 No.	
Cardijelly Bottle	1 No.	
User Manual	1 No.	
Earth cable	1 No.	
Power Cord	1 No.	

*Technical specification subject to change

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

Degree of Protection

BPL Medical Technologies Private Limited

Type CF

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