

Product Specifications

ECG ACQUISITION	
ECG Acquisition	12 bits; 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 Lead	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 - 20 mm/mV \pm 5% Auto: Dependent on the signal strength, Optimizes automatically to 2.5-5-10-20 mm/ mV \pm 5%
Input Impedance	> 10 M Ω @ 10 Hz
Frequency Response	0.05 Hz to 150 Hz (-3dB) without Mains /Muscle and ADF Filters
Time Constant	> 3.2 seconds
CMRR	> 90dB @ 50Hz
DF Protection	Internal

ECG PROCESSING	
ECG Analysis & Interpretation	Gender, Age & Race specific Advanced ECG Analysis & Interpretation - Glasgow ECG Interpretation Algorithm in Auto mode
ECG Analysis Sampling Rate	500 samples/ second (sps)
Filters	Mains interference/ Muscle filter: Linear phase digital 50 Hz Notch filter with selectable 32 Hz. 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	10 Seconds for each lead in Auto mode
Operating Modes	Manual: acquisition and printing in real time Auto: simultaneous acquisition and printing
Heart Rate Meter	30 to 240 BPM \pm 10% or \pm 5 BPM, whichever is greater

DISPLAY & STORAGE	
Display	4.3 inch Color TFT LCD with 480 x 272 pixel resolution; 65k Color
Keyboard	Silicone Rubber keypad with 23 keys & 4 LED indicators
Indicators	Mains Connection, Battery Charging, Battery Low & System Errors
Audible Beep	Heart Rate and Key Press
Startup Time	< 4 seconds
Record Storage	250 ECGs in internal memory with cyclic overwrite

SAFETY CLASSIFICATION	
Safety Classification	Class I with internal power supply
Degree of Protection	Type CF

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;
Print Formats	Manual: 3 Ch. 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
Power Supply	100-240 VAC; 50/60 Hz
Battery Charging Time	Approximately 3 hours 30 minutes from total discharge (Unit off)
Power Consumption	Less than 60VA

ENVIRONMENT SPECIFICATIONS	
Operating Temperature	+10 to +40 $^{\circ}$ C
Relative Humidity	Upto 95% RH Non-condensing
Storage/ Transport Temperature	-10 $^{\circ}$ C to 50 $^{\circ}$ C
Relative Humidity	Upto 95% RH Non-condensing

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

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