# RS ENTERPRISES

#### Your Trusted Partner in Neuro & Medical Diagnostics

ISO 9001:2015 Certified | CE & CDSCO Approved Equipment

25+ Years Expertise in Cardiology & Diagnostics | MSME & GeM Registered

#### **ECG Machines – Comparative Brochure**

#### Single Channel | 3 Channel | 12 Channel (Standalone & Computerised)

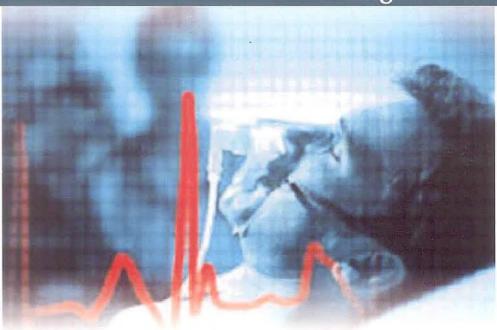
Features	Single Channel (CARDIOFAX)	3 Channel (ECGSmart-3)	12 Channel (Standalone)	12 Channel (Computerised)
Channels	1	3	12	12
Display	LCD	4.3-5" LCD	7" TFT Color	Windows PC
			Touch	Display
Operation Modes	Auto & Manual	Auto / Manual /	Auto / Manual +	Auto / Manual
		Arrhythmia	Cloud	
Leads	12 Standard	12 Standard	12 Standard	12 Standard
Data Storage	50+ ECGs	100+ ECGs	25 Patients / 500	PC-based with
			ECGs	PDF & Email
Frequency	0.05-150 Hz	0.05-150 Hz	0.05-150 Hz	0.05-100 Hz
Response				
Battery	Rechargeable	Rechargeable +	Li-ion (500+	PC dependent
	(>50 ECGs)	AC	ECGs)	
Printer	Thermal Array	80 mm Thermal	210 mm Thermal	A4 via Windows
	Printer	Roll	A4	Printer
Weight	1.5 kg	2.5-3.5 kg	2.7 kg	PC-based
Compliance	CE Certified	CE & IEC 60601	CE Certified	CE Certified
Applications	Clinics, OPDs,	OPDs, Nursing	Hospitals,	Hospitals,
	Nursing Homes	Homes, ICU,	Research	Teaching,
		Mobile Vans		Diagnostics
Price (INR)	42,560	33,600	67,200	42,560

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# Cardiofax Single Channel ECG





- Automatic & Manual modes.
- · Feather touch key operation.
- · Parameters Display on backlit LCD.
- · In built rechargeable battery with charger.
- · Compact light weight portable easy to use.
- · Maintenance free thermal array printer hence free from friction, non linearity, damping & stylus heating problems.



### Technical Specification

### Cardiofax

Leads : Standard 12 leads

Input Impedance : 50M ohm

Time Constant : 3.2 Seconds

Noise : +1/4 LSB (Less than 1 micro Volt peak to peak)

Filters : Digital AC 50 Hz & muscle

Writing Device : Electronic thermal array Printer

Recording Paper : Thermal 50 mm x 30 mtrs.

paper Speed : 12.5, 25 & 50 mm/Sec.

Power Supply : 230 Volt. AC 50Hz.

Weight : 1.5 Kg (with battery)

Temperature : 5° to 50° C (41°-122° F)

Print Out : ECG Trace, Gain, paper speed, Lead Marking & Calibration Pulse

CMMR : Greater than 120 db

Frequency Response : .05 to 150 Hz

A/D Conversion : 12 bit

Leakage Current : <10 micro amps

Recording Format: Two Auto & Manual

Recording Length: 2, 3 Sec./lead User Selectable

Sensitivity : 5, 10 & 20 mm/mv.

Recording Tracks: Single Channel Automatic trace centring

Battery Life : More than 50 ECG

Dimension : 230 L X 165 W X 65 H (mm)

Humidity : 15% to 95% RH, non conditioning

#### Standard Accessories

Cardiofax

10 lead patient cable

Carry Bag

Earth Cable

User Manual

: 01 No.

: 01 No.

04 No

: 01 No.

: 01 No.

Chest Electrodes with Rubber Bulbs : 06 Nos.

Limp Electrodes : 04 Nos.

Gel Bottle : 01 No.

Dust Cover : 01 No.

Recording Paper: 01 Roll



Three Channel ECG Machine.

- 5 Patient Storage.
- · Online Heart rate Display.
- · Parameters display on backlit LCD.
- Provides accurate, validated measurements of Heart rate, Axis, Intervals and duration with interpretation.



MEDICAID also manufactures PC based ECG, PC based SPIROMETER, ECG MONITOR, Pulse Oximeter, BIOFEEDBACK, Neuropage Plus DIGITAL EEG, Neurovision Video EEG, Analog EEG, Neuroperfect EMG/EP Systems, ECT machines, Polygraph etc.

#### MARKETED BY

R.S. Enterprises



#### **Head Office**

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#### Kolkata Branch

R.S. Enterprises Upohor Complex C-2/614, Chakgaria

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# **Features**

- 5" colour TFT display
- 12 lead simultaneous acquisition
- Inbuilt 3" thermal array printer
- ECGmeasurement & interpretation
- More than 50 ECG on full charge battery
- PC connectivity va USB memory
- Unlimited data storage via USB stick
- Cloud server connectivity via BT/GSM (optional)

# **Technical Specifications**

Measuring Parameters					
Leads	12 Standard Leads				
Mode of Operation	Auto / Manual				
Long Lead Print	Yes				
ECG PrintStyle	3,3+1				
Display Lead	Yes				
Display Type	5"ColorTFT				
Display Resolution	800 x 480 Pixels				
Frequency Response	0.05 to 125 Hz				
Sweep Speed	12.5/25 mm/s				
Sensitivity	5/10/15/20 mm/mV				
CMRR	>90dB				
Input Impedance	>100 M Ohms				
Patient Storage Data	5 Patients				
Printer Type	Thermal				
PaperWidth	80mm				
Memory Stick Interface	Yes				
Interpretation	Yes				

Physi	ical Characteristics
Weight	850 Grams
Dimensions	250 (L)x 155 (B)x 65(H)mm



#### MR 300 Portable ECG Machine

Electrical				
110 VAC to 260 VAC, 50-60 Hz				
30Watt				
Digital AC/50 Hz				
7.4V, 2200 mAh, Li-ion Battery				
4 Hours Max.				
>40ECG's				

Operatin	g & Storage Condition
Temperature	25-55°C
Pressure	50-160 Kpa
Humidity	Up to 90% non condensing





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Ulubari, Guwahati 781007





# **Features**

- 12 channel A4 size ECG printing
- 5" colour TFT display with touch screen
- ECG measurement & interpretation facility
- More than 50 ECG on full charge battery
- · Patient data input via touch screen
- · Configurable printing formats
- PC & memory stick download
- Cloud server connectivity via BT/GSM

# **Technical Specifications**

Measuring Parameters					
Leads	12 Standard Leads				
Mode of Operation	Auto / Manual				
Long Lead Print	Yes				
Test Performance	Auto mode: 3x4+1R, 3X4+3R, 6x2, 12 Manual mode: 3L, 6L, 12L				
Display Lead	Yes				
Display Type	5"ColorTFT				
Display Resolution	800 x 480 Pixels				
Frequency Response	0.05 to 150 Hz				
Sweep Speed	12.5/25 mm/s				
Sensitivity	5/10/15/20 mm/mV				
CMRR	105dB				
Input Impedance	>10MOhms				
Patient Storage Data	25 Patients				
Printer Type	ThermalPrinter				
PaperWidth	210mm				
Memory Stick Interface	Yes				
Interpretation	Yes				

Physical Characteristics						
Weight	2.730 Kg					
Dimensions	308 (L)x240 (B)x80(H) mm					



#### MR 900 Portable ECG Machine

Electrical					
Power Supply	100-240 VAC, 50-60 Hz, 1.5A-0.8 A				
Power Consumption	65Watt Digital AC/50Hz				
Filters					
Battery Rating	11.1 V, 4400 mAh, Li-ion Battery				
RechargingTime	4 Hours Max.				
Operating Time	>50ECG's				

Operating	y & Storage Condition
Temperature	5-55°C
Pressure	50-160 Kpa
Humidity	Up to 90% non condensing



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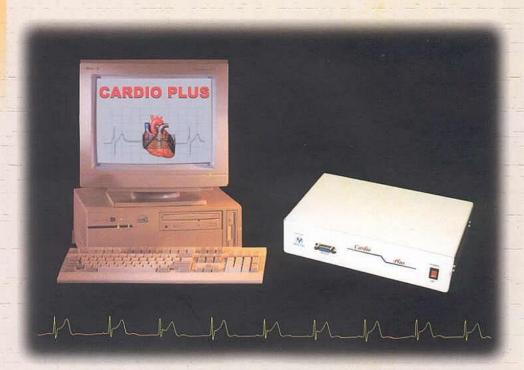


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# Cardio Plus

MEDICAID introduces Computerised Windows based 12 channel ECG Systems that meets your individual requirements and also meets your international standards.



PC ECG

## Features:-

Simultaneous acquisition of 12 leads.

Automatic or manual measurements.

Adjustable gain, sweep speed and filters.

Selectable lead colours on screen and on print outs,

Storage on hard disk, floppies and CD-ROM. (Optional)

Storage of different visits or multiple ECG pages in the same file for easy retrieval, record keeping and comparison.

Easy connectivity with Laptop & Desktop PC.

Economical Print outs on a standard A4 size paper with & without grid.

Automatic measurement of Amplitude of all 12 leads, AXIS (P, QRS and T).

Various intervals / duration, PR, RR, QRS, QT & QTc.

Facility to print name of a disease and its impression on each page of the ECG data.

Split Screen facility.

Comprehensive reports can be printed for all display types of Review and Analysis.

Print card output in various formats.

Operating Systems Window - 95/98/ME.

Transfer of ECG data via E-mail.

Optional data storage in PDF format.

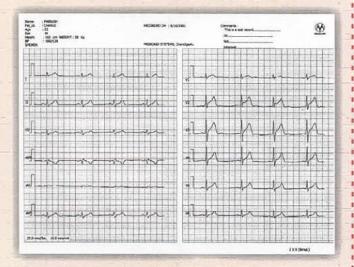
Advanced patient data management.

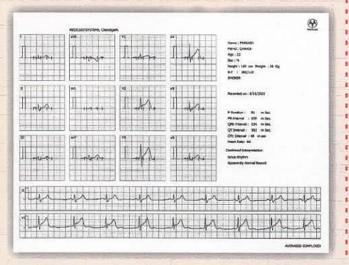
No hardware installations internal to the PC.



Clinical Electrocardinarach

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# Technical Specification

Frequency Response - 0.05 to 100 Hz

Sensitivity - 5, 10 and 20mm/mv

Sweep Speed - 12.5, 12, 25, 50 and 100mm/sec

High Filter - 20, 35 or 100 Hz

Amplifier - Sampling frequency: 1000 Hz

Dynamic Range: +/- 30mv

CMRR - 100 db

ADC - 14 Bit

Computer - IBM Compatiable System with

Windows 95/98, ME loaded and

minimum 32 MB RAM

Printer - Any Printer supporting Windows.

Resolution - High resolution upto (1280 X 1024)

# Optional

USB interface for easy Laptop connection.



## Standard Accessories

Patient Cable	-01No.
Clipon Electrodes	-04 Nos.
Chest Electrodes with Rubber Bulbes	-06 Nos.
Accessories Box	-01 No.
Jelly Bottle	-01 No.
Earth Cable	-01 No.
Dust Cover	-01 No.
Instruction Manual	-01 No.

Medicad reserves the right to change specifications without any prior notice.

MEDICAID also manufacture - "Neuropage" 32 channel Digital EEG, BRAIN MAPPING, VIDEO EEG "Neurograph" 8,16 and 21 channel ANALOG EEG MACHINES, EMG/NCV/EP system, ECT MACHINES (Sinewave & Brief Pulse), Biofeedback Biotrainner and Multi channel Polygraph etc.

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