



TECHNICAL INFORMATION

General

Display	: 7 inch Colour TFT
Display area	: 150 mm x 90 mm
Dimensions	: H280 x W 330 x D220 mm (Max) without Paddle
Weight	: Approx. 6 Kgs. Max.

Power Supply

Input	: 150 - 270 VAC, 50 Hz, 1 Ø
Battery	: 12 V 4.5Ah, Rechargeable
Battery capacity	: 3hours for monitor & 70-100 shocks on single charge
LED indicator	: Low battery and battery charging
Power consumption:	: 30 Watts (max.) in ECG mode

Environmental

Operating Temp.	: -5 C to +50 C
Humidity	: up to 95 % non-condensing

Defib

Operating Mode	: Manual
Waveform	: Biphasic
Energy	: 2 to 200 joules in 12 steps selection
Synchronous	: Energy delivery begins within 60 ms of the QRS Peak
Charging Time	: Less than 8 seconds
Paddle Assembly	: External paddle assembly with coil retractable high voltage cable. Adults & Pediatric paddle integrated to same handle
Check Mode	: Manual test mode
Operation	: By front Panel Keyboard, Encoder & ON-OFF by front Panel Push button

AED Mode OPTIONAL

Wave form	: Biphasic
AED Shock Series	: Energy level from 150 to 200J
Charge Command	: Automatic after identifying arrhythmia
Shock Command	: front panel button, shock
Charging Time	: Less than 8 Sec
Controls	: Analyze, Pause
Defibrillation Electrode	: Malfunction, Self adhesive, adult electrodes
Voice and Text prompts:	: Voice and text prompts to guide user

PACER OPTIONAL

Wave form	: Monophasic
Modes	: Demand or Non Demand
Amplitude	: From 10mA to 150 mA (resolution of 10 mA),
Pulse Width	: 40 ms (+/- 1ms)
Frequency	: From 20 ppm to 250 ppm (increments of 1 ppm),
Refractory period	: 340 ms (from 30 to 80 ppm); 240 ms (from 90 to 180 ppm).Maximum output voltage: 150 V.
Impedance range	: 200ohm to 1 k ohm

ECG

Frequency response:	: 0.5 Hz to 35 Hz
Patient isolation	: Optical isolation
Lead selection	: Lead I, II and III
Gain setting	: 0.5, 1.0 and 2.0
CMRR	: > 90 db
Sweep Speed	: 12.5, 25.0, 50.0 mm/sec
Digital filter	: Digital signal processing for good quality of ECG

Heart Rate

Range	: 10 - 250 BPM
Accuracy	: +/- 2 BPM
Resolution	: 1 BPM
Tone	: Beep on every QRS detected
Low alarm limit range	: 10 - 250 (step of 1)
High alarm limit range	: 10 - 250 (step of 1)

SpO2 OPTIONAL

Range	: 0 - 100%.
Accuracy	: 70 - 100% +/-2% , 50 - 69% +/-3 %.
Pulse rate	: displayed when HR is deselected.
Pulse beep	: Stepless volume control.
PR Range	: 10 to 250 bpm

Pitch variation with change in oxygen saturation.

NIBP OPTIONAL

Method	: Oscillometric.
NIBP interval	: User selectable - 3 min to 120 min
Modes	: Manual, auto.
Cuff deflation	: Automatic.
Safety features	: Automatic deflation if cuff pressure exceeds 280 mmHg
Range	: 10 - 250 mmHg
NIBP Status	: "Ready"- when not taking reading "Measuring"-when taking reading "Error"- if reading could not be taken due to some error while measuring

Patient Type	: Adult, Pediatric, Neonate
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Printer

Paper Type	: Thermal paper 50/55mm width, 20 meters length for 2 inch printer
Event Printing	: Prints 5 Seconds pre & post ECG with Date, Time, Energy and mode, Shock Status
ECG in Defib Mode	: Prints last 10sec ECG through paddle
Print Annotates in Defib Mode	: Time, Date,Mode,Lead name,Gain,Sweep speed
ECG in Monitor Mode:	: Prints last 10 ECG through cable
Print Annotates in Monitor Mode	: Time, Date, selected Lead name, Gain,Sweep speed
Manual Defib Check Mode	: Prints the status of Shock,Energy,Date and Time

Monitor Defibrillator



Marketed & Service by :

MEDION
Healthcare

Corporate office

MEDION HEALTHCARE PVT. LTD
201, Shiv Ind. Estate,K.B.B. Marg,
Chinchpokli (east).
Mumbai 400 012. INDIA.
Tel. : + 91 - 22 - 2377 1737
Fax : + 91 - 22 - 2377 1734
Email : sales@medion.co.in
http://www.medion.co.in

Formerly : Meditronics sales & services pvt. ltd.

Authorised Representative



NOTE : specification subject to change without prior notice

CARDIOMAX

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Healthcare

Biphasic Monitor-Defibrillator

Defibrillator + ECG + SPO₂ (optional) + NIBP (optional)
+ Pacemaker (optional) + AED (optional)

New CardioMax biphasic monitor defibrillator line: a new medical equipment generation with the highest technology.

Cardiomax represents a new level to the sector. Advanced characteristics of versatility, ergonomics, design, mobility and easy-use, makes it the biggest package of advantages in only one device.

And, being a Medion product, you know: it has the better cost-benefit, guarantee of total technical support and can be configured exactly as your needs.



More versatility: multifunctional paddles, adults and pediatric, easy to use. Integrated in one piece, with bargraph, displays the contact with skin and buttons of shock and charge.

Cardiomax: a new equipment generation developed for the highest requirements of technology, quality and functionality.



- Modern design, robust and intelligent, ideal for hard emergency removals.
- Lightweight – only 6 kg (with battery and paddles), small and compact, with designed handle for transport.
- Fast and easy battery changing, without opening the equipment.
- 60 shocks delivery

- Active matrix color display with and perfect ample visualization of all the information and waveforms.
- Easy operation – 1, 2, 3 pattern.
- Biphasic shock in up to 360 joules, ECG and SpO₂ (optional), NIBP (optional), external pacemaker (optional) and cardioversion.
- Recorder (inbuilt).



A new generation of interfaces: clean, elegant and intuitive, that offers an intelligent and dynamic visualization allowing the fastest interpretation.