MEDiON Healthcare

ICMED13485

NABCB QM 028

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ISO 13485 REGISTERED

MONITOR DEFIBRILLATOR

cardiomax

RADIOLOGY | MONITORING | ANAESTHESIA | VENTILATION | SURGERY | VETERINARY | MEDICAL GASES | MOBILE HEALTHCARE

MONITOR DEFIBRILLATOR

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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
WeightApprox	6 Kgs Max.
Power Supply	
Input	150-270 VAC, 50 Hz, 1 Ø
Battery	12 V, 4.5 Ah, Rechargeable
Battery capacity	3 hours 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
Chumidity	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 2003
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	10 to 150 mA (resolution of 10mA)
Pulse Width	40 ms (+/- 1ms)
Frequency	From 20 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	200 ohm to 1k 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 take due to some error while measuring
Patient Type	Adult, Pediatric, Neonate
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

*specifications, design and / or accessories listed in the catalogue subject to change without prior notice

MANUFACTURED & SERVICED BY:

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